1994 Missouri Farm Facts

A Complete Summary of Missouri's Agricultural Production

MISSOURI AGRICULTURAL STATISTICS DISTRICTS WITH 1993 PRECIPITATION BY COUNTY *

STATE AVERAGE: 58.45 inches.

** Precipitation data represents one location per county and is furnished by the Agricultural Stabilization and Conservation Service county offices.*

1994
MISSOURI
FARM FACTS

Issued Cooperatively by

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GOVERNOR

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Dear Missourians:

Our state's agricultural industry fulfills many vital needs for all Missourians. Everyday, we rely on Missouri's agricultural producers for the food, clothing and products that enable us to lead healthy, comfortable and productive lives.

The Missouri Department of Agriculture is the state agency charged with maintaining the quality of agricultural goods for consumers. I am pleased with the Department's commitment to customer service, and I encourage all state departments to excel in this area. Director John Saunders has enthusiastically accepted this challenge. Under his guidance, the department has reinforced its commitment to meeting the needs of agricultural community and protecting the interests of consumers.

The enormous efforts made by the many industrious individuals who comprise Missouri's agricultural sector are evident in this publication. I hope you enjoy the 1994 edition of Missouri Farm Facts. The information contained in these pages is an example of how government and private industry can work together to serve all Missourians.

Very truly yours,

Mel Carnahan

Mel Carnahan

DEPARTMENT OF AGRICULTURE
STATE OF MISSOURI
JEFFERSON CITY

MEL CARNAHAN
GOVERNOR

JOHN L. SAUNDERS
DIRECTOR

Dear Friends of Missouri agriculture:

In this modern day, the average person seems to know less and less about how agriculture touches our lives and the directions in which the industry is heading. That is why it is increasingly important to get out the good word on agriculture. We can do that by supplying the public with the information contained in the following pages--information that tells the story of Missouri agriculture and the state department that represents it.

We have changed the format of Farm Facts slightly this year, using the introductory pages as an opportunity to tell you more about the Missouri Department of Agriculture and how it serves all Missourians. The people that staff our divisions work hard in a variety of jobs to regulate and promote the state's agricultural industry,

I'd like to thank our State Statistician and the staff of the Missouri Agricultural Statistics Service for their dedicated efforts to publish Farm Facts every year. They play a crucial role in promoting Missouri's agricultural productivity.

Please let us know if you have any ideas or suggestions for this publication, or for any program or role administered or supported by the department. As a public servant, I welcome your comments. As a Missouri farmer, I remain optimistic that with your support Missouri will continue to lead the world in quality agricultural production.

Sincerely,

John Saunders

John L. Saunders
Director of Agriculture

AgriMissouri

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FACILITATING AGRICULTURAL GROWTH AND PROSPERITY: THE MISSOURI DEPARTMENT OF AGRICULTURE

Since the mid-1800s, the Missouri Department of Agriculture in some form has been representing the interests of the state's agricultural industry and the people it serves. Like Missouri agriculture, the agency's duties are diverse. The department must meet the challenge of protecting the state's producers, processors, distributors and consumers of food and fiber, while marketing Missouri products at home and abroad. The department administers programs to:

- *prevent livestock disease;*
- *monitor commercial transactions involving weighing or metering devices;*
- *regulate grain storage and inspection;*
- *establish rules for labeling and using farm chemicals, control plant pests, and oversee feed and seed sales.*

Other department programs range from licensing and inspecting livestock markets to helping commodity organizations market their products. The agriculture department also has a number of programs aimed at educating youth in agriculture through scholarships, loans and career programs. In addition, this state agency each year hosts the Missouri State Fair.

The agriculture department's main office is located in Jefferson City. The agency employs approximately 335 people and has a $33.4 million annual administrative budget.

OFFICE OF THE DIRECTOR

The department is managed by the director of agriculture, who is appointed by the governor and confirmed by the Senate. The director represents the administration on agricultural matters, determines department policy, maintains records of foreign land holdings and corporate farm registration, and oversees certain aspects of the State Milk Board and the Missouri Agricultural and Small Business Development Authority.

The 12-member **State Milk Board** administers the state's Grade A and manufacturing grade milk sanitation programs. The manufacturing grade dairy program enforces sanitation and quality standards for manufactured dairy products and provides market testing of all milk at the first point of sale. Milk procurers, manufacturing plants, field superintendents, testers, graders, samplers, bulk milk truck operators and market testing laboratories are licensed by the State Milk Board.

The **Missouri Agricultural and Small Business Development Authority** issues tax-free bonds to lenders who make low-interest loans to farmers and small businesses. Up to $250,000 may be loaned to beginning farmers to buy land or make improvements. Small businesses involved in manufacturing can also obtain loans to buy land, buildings or equipment. The authority is administered by a seven-member commission.

Recent Achievements

- Created an Emergency Flood Task Force of key agricultural representatives and coordinated the flood recovery efforts of these groups.
- Served on the Flood Plain Management Task Force created by Gov. Mel Carnahan to coordinate recovery efforts and make long-term recommendations for flood plain management.
- Named 37 members to the Governor's Advisory Council on Agriculture.
- Established task forces to study and make recommendations on the Missouri State Fair, opportunities for independent farm growth, and grain inspection and warehousing rules and regulations.
- Increased promotion of the Beginning Farmer Loan Program.
- Initiated a long-range plan for the department.

A Vision, A Mission
As part of the long-range plan, the Missouri Department of Agriculture has adopted the following vision and mission statements to help direct the agency's regulatory, promotional and policy-making activities toward a common goal:

Vision Statement
To be a leader of a dynamic, sustainable and prosperous agriculture.

Mission Statement
To create a climate in which agriculture can grow and prosper.

Priority Issues And Goals For Missouri Agriculture
With the mission and vision statements as guides, the department is working to accomplish these key goals:

- **Implement a Farm Resource Network Program**
  To encourage people to enter or remain in farming, this program would link retiring farmers with beginning farmers and facilitate the transfer of ownership of land, equipment and capital.

- **Enhance animal agriculture**
  Missouri is a national leader in the livestock industry, ranking second in cow/calf numbers. In addition, the state has room to grow in increasing production of swine, poultry and dairy cattle. Enhancing this industry through disease control, research and technology will keep the industry strong and also benefit Missouri's grain producers. The state continues to work toward eradicating brucellosis and is down to only 10 quarantined herds.

- **Increase farmers' access to capital**
  Farming and agribusiness are very capital-intensive endeavors, and a lack of access to capital limits growth in various enterprises. The department will help identify new ways for farmers to obtain financing, while continuing to promote existing programs such as the Beginning Farmer Loan Program.

- **Adapt new technology to the farm**
  Technology enables Missouri farmers to remain competitive. The department will seek ways to help increase farmers' willingness to adapt new technology on the farm through education and extension services. The department will identify ways to help farmers learn about new technology and help them apply it to their farming situation.

- **Find additional markets for Missouri's raw and processed products**
  The department will continue to focus efforts on locating both foreign and domestic markets for Missouri products, and help producers effectively market their products. This will include supporting ways to **add value** to Missouri-grown raw products.

- **Enhance the department's effectiveness in developing public policy**
  The department can be an advocate for Missouri agriculture in policy issues by facilitating interchanges with federal, state and local government bodies and other agricultural organizations. The agency will work to encourage farmers to be politically active in public policy development.

The Missouri Department of Agriculture: What It Does, How It Works

ADMINISTRATIVE SERVICES DIVISION

The Administrative Services Division provides support services to the department. The programs managed by this division are fiscal, personnel, public affairs, commodities and data processing. Several division employees work solely for the Missouri Agricultural Statistics Service, which publishes Missouri Farm Facts, county agricultural profiles and weekly crop, weather and livestock reports. The statistics office also is supported by the U. S. Department of Agriculture (USDA).

Recent Achievements

- Coordinated distribution to the Central Missouri Food Bank of several truckloads of food, water and clothing collected by the Mississippi Department of Agriculture.
- Established long-term goals and objectives as part of the department-wide long-range plan.
- Began implementing uniform classification and pay standards throughout the department. This program establishes uniform pay and job titles for employees performing similar work throughout state government. The department was the first state agency to receive funding to bring salaries in line with those of other state agencies.

Future Goals

- Enhance the department's internal and external communications program;
- Expand training and education opportunities for employees; and
- Strengthen and refine the department's budgeting process.

ANIMAL HEALTH DIVISION

The Division of Animal Health, under the direction of the state veterinarian, is responsible for controlling, eradicating and testing for livestock disease in Missouri. This is accomplished through disease testing, vaccination, and regulatory programs on cattle, swine, horses, poultry, exotic animals, sheep, goats and small animals. Particularly effective has been the division's Brucellosis Enforcement Team, whose officers patrol the state's borders to prevent the spread of infection from animals transported into Missouri from other states. The division also administers programs that regulate livestock markets, dealers, brands, garbage feedlots and rendering plants.

An animal health employee works with a poultry breeder to test a Speckled Sussex chicken for pullorum-typhoid.

The division keeps track of approximately 5,000 livestock brands, more than 200 livestock markets and more than 750 livestock dealers. Three veterinary diagnostic laboratories are located in Jefferson City, Springfield, and Cameron.

Recent Achievements

- Worked to achieve a bovine Class A Brucellosis rating for the state and to maintain a .014 percent infection rate.
- Maintained Missouri's brucellosis-free rating for swine and tuberculosis-free rating for cattle.
- Began implementing the Animal Care Facilities Act passed in 1992. Under this program, the division licenses and inspects any facility or individual that provides care to dogs and cats, such as commercial breeders, pet stores and kennels. Since 1992, the division has issued 1,270 provisional licenses to animal care facilities.

Future Goals

- Completely eradicate brucellosis in Missouri and attain Brucellosis Class Free status;
- Continue rigorous pseudorabies testing and advancement in the National Pseudorabies Eradication Plan;
- Expand equine infectious anemia testing and regulations to continue moving toward eradication;
- Continue to identify and license all animal care facilities; and
- Complete a thorough review of all animal health regulations and make amendments as needed.

GRAIN INSPECTION AND WAREHOUSING DIVISION

Missouri's grain producers annually harvest up to 650 million bushels of grain valued at more than $2 billion, making grain production one of the top industries in the state. The Grain Inspection and Warehousing Division is vitally important to the national welfare, as it ensures that grain markets have uniform standards. The division has two programs: Grain Inspection Services and Grain Regulatory Services.

Employees of **the Grain Inspection Services** program inspect, grade and weigh grain stored in or moved through terminals in Missouri. The program's objective is to provide quality inspection and weighing services to ensure that grain and rice will be marketed in an orderly and timely manner at a fair market value. Daily inspection services are provided year-round from six laboratories located in Marshall, New Madrid, North Kansas City, Paris, St. Joseph and St. Louis.

The **Grain Regulatory Services** program protects the public interest by auditing grain warehouse and dealer records to determine grain obligations and financial status. The program enforces Missouri's grain laws so producers are assured they are dealing with licensed, bonded, reputable and financially stable grain businesses. This program regulates nearly 300 grain warehouses and more than 600 grain dealers.

Recent Achievements

- Reduced inspection fees through operating efficiencies.
- Implemented and expanded Official Commercial Inspection Services to make them more available to producers and first handlers of grain.
- Upgraded technology for value and food-safety testing to USDA standards.
- Provided services free or at reduced cost to 1993 flood victims.

Future Goals

- Continue to expand official commercial services;
- Expand geographically to ensure cost-effective service;
- Continue upgrading value-testing and food safety technology;
- Work with the Missouri legislature to revise the Missouri Grain Warehouse Law to better serve the needs of the grain industry and producers; and
- Continue to ensure that producers are dealing with a financially viable grain industry.

MARKET DEVELOPMENT DIVISION

The Missouri Department of Agriculture coordinated the opportunity for 14 Missouri companies to show their products at the 1994 U.S. Food Export Show in Chicago.

The Market Development Division works to develop and expand foreign and domestic markets for Missouri agricultural products. The division is comprised of four programs: Agriculture Development Fund, Domestic Marketing, Grape and Wine, and International Marketing.

The **Agriculture Development Fund** provides assistance to Missouri farm families and youth through various financial programs aimed to educate, build self-esteem, provide valuable work experiences and teach responsibility. The **Domestic Marketing Program** works to market Missouri agricultural products within the state and across the nation. The program provides marketing opportunities for commodity groups, horticultural products and the livestock and forage industries. The domestic marketing program disseminates daily market information and oversees the state's AgriMissouri program. Established in 1985, the AgriMissouri program works to identify and promote products made or processed in Missouri.

Legislation passed in 1985 created a tax on all wine sold in Missouri. Currently at six cents per gallon, this tax funds the division's **Grape and Wine Program**, which oversees research, development and promotion of Missouri grapes, wines and juices. The **International Marketing Program** strives to develop new markets for Missouri products abroad. These include livestock, feed, seed, and farm machinery. This program's success can be gauged by Missouri's top 10 ranking among agricultural exporting states.

Representatives from Missouri food companies discuss trade strategies while exhibiting their goods at an international trade show in Mexico.

Recent Achievements

- Awarded 21 scholarships and $36,000 in grants.
- Drew a record number of more than 1,200 individuals to the 5th Annual Missouri Youth Livestock Judging and Grading Contest.
- Set a record number of 1,586 4-H and FFA youth participating in the Crop and Livestock Loan Program.
- Issued market reports on 1.3 million head of cattle, 3.3 million head of slaughter hogs, 237,000 feeder pigs and 36,000 sheep. This information was disseminated through 45 radio stations, six television stations, 61 newspapers and the USDA wire service.
- Held the first AgriMissouri Shopping Spree in two local markets to encourage shoppers to look for AgriMissouri products.
- Granted more than $33,000 in matching funds to 65 commodity groups and agribusinesses for marketing and promotional activities.
- Coordinated distribution of 60 tons of donated hay from Whitby, Ontario, Canada to flooded areas in Atchison and Holt counties.
- Helped form the Missouri Wood Products Export Council to provide marketing assistance to Missouri forest products firms.
- Assisted 14 Missouri companies to exhibit at the 1994 U.S. Food Export Show, which generated more than $170,000 in documented sales to foreign countries.
- Helped generate $14 million in sales to Mexico for Missouri producers and companies and more than $800,000 in sales to Taiwan.
- Hired an aquaculture specialist to capitalize on the state's tremendous potential for growth in this industry.

Future Goals

- Increase sales of agriculture products made or processed in Missouri;
- Create a long-term strategy for foreign trade and international development; and
- Create opportunities for long-term family farm development.

PLANT INDUSTRIES DIVISION

The Plant Industries Division works to prevent the spread of harmful insects and plant diseases; certifies and licenses commercial and private pesticide applicators and dealers; assures label accuracy and quality of commercial feeds and seeds; and inspects fresh fruits and vegetables to assure quality and grade.

Choosing and using feed and seed wisely affects the efficiency and growth of the crop and livestock industries. The **Bureau of Feed and Seed** enforces laws and regulations designed to help buyers choose good products and understand their uses. Feed and seed labels are standardized to make them easier to understand, and enforcement encourages truth in labeling. Enforcement is managed by testing for feed and seed content claims in the department's Jefferson City laboratories.

The **Bureau of Pesticide Control** is responsible for monitoring the sale and use of pesticides, a vital part of agricultural production in the state. The department inspects pesticide sales at the retail, wholesale and producer levels; applicator use records and dealer sales records; certification credentials; and applicator training records. During the fiscal year 1993, the bureau gave 4,917 certification examinations, inspected 4,360 applicators and dealers and inspected 4,214 use and sales records.

The **Bureau of Plant Pest Control** prevents the introduction and spread of harmful insect pests and plant diseases through surveys, quarantines and the annual inspection and certification of nurseries and greenhouses. Agricultural commodities to be exported are also inspected to see if they meet the requirements of their country of destination.

The department also inspects and certifies bee colonies and beekeeping equipment for interstate movement. The **Forest Resources Program** enforces laws to control and eradicate Johnson Grass and regulates production and sales of treated timber. The **Fresh Fruit and Vegetable Inspection Service** assures handlers of fruits and vegetables that their products meet quality grades. The service administers terminal market inspections to help wholesalers gain restitution for products that fail to meet purchase agreement quality standards.

Recent Achievements

- Increased the dependability of feed through a compliance rate for violators.
- Performed a surveillance study and policing exercises on the state's 1993 corn crop to ensure its quality after the devastating floods.
- Achieved 95 percent compliance with labeling claims on seed inspected.
- Licensed 7,214 commercial, non-commercial and public applicators, pesticide dealers and pesticide technicians.

Future Goals

- Maintain the labeling reliability already achieved in seed regulation;
- Strive for a similar rate of compliance in feed regulation; and
- Enact changes in the feed law to achieve labeling compliance.

STATE FAIR DIVISION

The Missouri State Fair is the annual showcase of Missouri agriculture. It provides educational, competitive and recreational opportunities, while exhibiting all aspects of Missouri agriculture: livestock, row crops, fruits and vegetables, farm equipment and machinery, and arts and crafts. The division also schedules off-season events such as horse and livestock shows, camping rallies and other activities.

The reserve champion ham was auctioned for $1,250 at the 1993 Missouri State Fair's annual ham breakfast. Pictured from left are Gov. Mel Carnahan; Dennis Harms of Premium Standard Farms who bought the reserve champion ham; Michael Cole of Tipton who entered the ham; and Director of Agriculture John L. Saunders.

Recent Achievements

- Drew more than 367,000 people to the 1993 fair.
- Lined up nine outstanding grandstand concerts in 1993, three of which set gross revenue records.
- Set a 1993 record for the number of livestock and agricultural entries--almost 25,000.
- 1993 fair receipts added $12,000 to the Missouri State Fair Foundation Scholarship Fund, which funded 12 scholarships.
- Earned $45,350 from the 1993 Sale of Champions, the best in history.
- Showcased Missouri wines in the Missouri Wine Garden, new at the 1993 fair.
- Attracted more than 200,000 visitors to the fairgrounds for non-fair events in 1993.
- Hosted the biggest Missouri State Fair Quarter Horse Show in history in 1993 with more than 500 horses.

Future Goals

- Increase awareness of the impact of agriculture through education;
- Continue to enhance the fair's family theme;
- Optimize year-round use of the fairgrounds;
- Identify alternative sources for funding; and
- Develop a master plan for buildings and grounds.

WEIGHTS and MEASURES DIVISION

This division is the consumer protection arm of the department. Some of the division's responsibilities include: inspecting the accuracy and suitability of commercial weighing and metering devices; preventing unfair or deceptive weighing or measuring practices for any commodity or service advertised, sold or purchased within the state; providing precise calibration and metrology services for users of physical standards for weighing and measuring equipment; ensuring fuel quality; inspecting eggs for grade, size, origin and packaging; and ensuring milk is not sold under cost.

Following are some highlights from 1993:

- The **Device and Commodity Inspection Program** visited 17,252 businesses, tested 20,560 devices and controlled 2,294,280 pre-packaged commodities.
- The **Petroleum/Propane/Anhydrous Ammonia Program** inspected 70,695 gasoline pumps and conducted 3,209 LPG safety inspections.
- The **Fuel Quality Program** helped bring octane mislabeling to an all-time low due to an aggressive inspection and testing program that tested 7,437 samples and found 711 violations.
- The **Metrology Laboratory/Moisture Meter Program** certified 5,149 test weights, issued 284 metrology certificates, plus registered and inspected 851 moisture meters.

Recent Achievements

- Amended the state's weights and measures law to help maintain uniformity with other states.
- Established employee task forces to review inspection procedures and safety and training issues.
- Pursued recertification for the state's metrology laboratory by the National Institute of Standards and Technology.
- Brought inspection staff to full capacity.

Future Goals

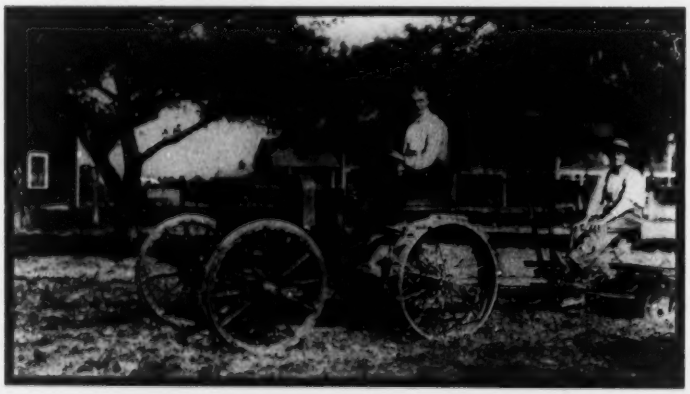
- Reorganize inspection duties to use manpower and equipment to maximize efficiency; and
- Perform official tests for the Department of Natural Resources to help reduce air pollution in the St. Louis area.

FACTS FOR AGRICULTURE

Agriculture plays a key role in the well being of Missouri's economy. Also the State's agricultural output has a significant impact on the total U.S. farm economy. The data in this bulletin will show that Missouri's agriculture is both abundant and diverse. Agricultural commodities originating in this state range from the corn and soybeans produced on the farms of the north to the cotton and rice produced on the delta lands of the southeast. The rolling hills of the Ozarks support substantial beef, dairy and poultry enterprises.

There were 106,000 farms in Missouri in 1993. These farms produced over 4.0 billion dollars of farm marketings. Of this over 1.2 billion dollars came from overseas farm exports. Following are some other facts about Missouri's agriculture in 1993.

* **FIVE** percent of the **U.S. HOG OPERATIONS** are in Missouri.
* **SIX** percent of the **U.S. CATTLE OPERATIONS** are in Missouri.
* **SEVEN** percent of the **U.S. TURKEYS** are raised in Missouri.
* **SEVEN** percent of the **U.S. SOYBEANS** are grown in Missouri.
* **EIGHT** percent of the **U.S. GRAIN SORGHUM** is grown in Missouri.
* Missouri is the **SECOND** leading state in **BEEF COWS** as of Jan. 1, 1994.
* Missouri is the **SECOND** leading state in **HAY PRODUCTION** (excluding alfalfa).
* Missouri is the **SECOND** leading state in **NUMBER OF FARMS.**
* Missouri ranks **SIXTH** in **RICE PRODUCTION.**
* Missouri ranks **ELEVENTH** in **CORN PRODUCTION.**
* Missouri ranks **ELEVENTH** in **COTTON PRODUCTION.**
* Missouri ranks **TWELFTH** in **WINTER WHEAT PRODUCTION.**
* Missouri is the **TWELFTH** leading state in **MILK PRODUCTION.**
* Missouri ranked **SIXTEENTH** in **RED MEAT PRODUCTION** as 678 million pounds of red meat went through Missouri's slaughter plants in 1993.



MISSOURI'S RANK AMONG STATES
1993

	RANK	UNIT	TOTAL	PERCENT OF U.S. TOTAL
Crops				
Hay, excluding alfalfa	2	*tons*	6,045,000	8.9
Sorghum grain	4	*bushels*	46,720,000	8.2
Hay, all	5	*tons*	7,333,000	4.9
Soybeans	5	*bushels*	117,150,000	6.5
Rice, all	6	*hundredweight*	4,557,000	2.9
Concord grapes	7	*tons*	600	.12
Sorghum silage	8	*tons*	70,000	1.8
Corn for grain	11	*bushels*	166,500,000	2.6
Cotton, all	11	*bales*	376,000	2.3
Cottonseed	11	*tons*	152,000	2.4
Grapes, all	11	*tons*	2,350	.04
Winter wheat	12	*bushels*	53,200,000	3.0
Tobacco, all	13	*pounds*	4,760,000	0.3
Apples (commercial)	18	*pounds*	56,000,000	0.5
Potatoes	22	*hundredweight*	1,508,000	0.4
Alfalfa hay	23	*tons*	1,288,000	1.6
Peaches	24	*pounds*	7,500,000	0.3
Corn silage	29	*tons*	680,000	0.8
Oats	30	*bushels*	686,000	0.3
Livestock & Livestock Products				
Cattle operations	2	*number*	71,000	5.8
Calf crop	2	*head*	2,200,000	5.5
All cows 1/	2	*head*	2,460,000	5.5
Beef cows 1/	2	*head*	2,240,000	6.4
Beef cow operations	2	*number*	62,000	6.8
Turkeys raised 2/	5	*head*	22,500,000	8.1
Cattle & calves 1/	5	*head*	4,800,000	4.7
Milk cow operations	6	*number*	7,500	4.6
Hog operations	7	*number*	11,000	4.7
Total cheese production	7	*pounds*	205,944,000	3.2
Hogs & pigs 3/	7	*head*	3,000,000	5.2
Milk cows 1/	11	*head*	220,000	2.3
Sheep operations	11	*number*	3,100	3.2
Milk production	12	*pounds*	2,829,000,000	1.9
Egg production	14	*millions*	1,644	2.8
All chickens 4/	15	*head*	8,425,000	2.2
Ice cream (hard & soft) production	15	*gallons*	15,426,000	1.8
Red meat production	16	*pounds*	678,323,000	1.7
Cattle & calves on feed 1/	19	*head*	120,000	0.9
Wool production	21	*pounds*	700,000	0.9
Honey production	23	*pounds*	1,872,000	0.8
Sheep & lambs 1/	24	*head*	86,000	0.9

1/ Inventory on hand January 1, 1994.
2/ Intentions. Percent of 20 state total.
3/ Inventory on hand December 1, 1993.
4/ Inventory on hand December 1, 1993 (excludes commercial broilers).

UNITED STATES CENSUS OF AGRICULTURE
Missouri, Selected Items

ITEM		1982	1987	1992
		Land Utilization		
Total Land Area	acres	44,124,883	44,124,883	44,124,883
Land in Farms	acres	29,266,609	29,209,187	28,546,875
Percent of Land in Farms	percent	66.3	66.2	64.7
Number of Farms	number	112,447	106,105	98,082
Average Size of Farms	acres	260	275	291
Farm Operations by Size:				
Less than 10 Acres	number	4,713	4,960	3,926
10 to 49 Acres	number	19,050	17,028	16,211
50 to 179 Acres	number	40,513	37,413	34,654
180 to 499 Acres	number	32,292	30,423	27,573
500 to 999 Acres	number	11,561	11,413	10,292
1000 Acres or more	number	4,318	4,868	5,426
Cropland, Total Harvested	acres	12,725,378	11,655,304	12,158,832
Woodland, Total	acres	4,943,194	4,768,462	4,505,178
Pastureland, Total	acres	3,514,824	3,736,320	3,731,021
Conservation Reserve or Wetland Reserve Program	acres	(NA)	495,612	1,038,935
Irrigated Land in Farms, Total	acres	402,914	534,795	708,864
		Farm Operators		
Tenure of Operators				
Full Owners, All Farms,	number	74,830	70,551	63,421
Part Owners, All Farms,	number	27,191	26,116	26,498
Tenants, All Farms,	number	10,426	9,438	8,163
Farm Operators by Age:				
Under 25 Yrs.	number	3,606	2,023	1,662
25 to 34 Yrs.	number	14,231	11,748	9,296
35 to 44 Yrs.	number	21,546	19,210	18,109
45 to 54 Yrs.	number	24,517	22,706	21,158
55 to 64 Yrs.	number	25,924	24,421	21,584
65 Yrs. and Older	number	22,623	25,997	26,273
Average Age	years	51.0	52.9	53.8
Operators by Principal Occupation:				
Farming	number	58,511	53,694	49,248
Other	number	53,936	52,411	48,834
Operators by Days Worked Off Farm:				
Any	number	61,466	58,409	53,243
200 Days or More	number	41,189	40,925	37,799
		Sales		
Farms by Value of Sales:				
Less than $9,999	number	60,264	56,309	50,869
$10,000 to $49,999	number	32,053	31,961	29,088
$50,000 to $99,999	number	10,004	8,943	7,525
$100,000 or More	number	9,126	8,892	10,600

SOURCE: United States Department of Commerce, Bureau of Agricultural Census.

CROPS

1993 Missouri Crop Summary

The 1993 crop year began with surplus moisture which hampered fieldwork and delayed plantings. Heavy rainfall in July along with severe flooding along the Missouri and Mississippi Rivers caused the loss of several hundred thousand acres of crops in river bottom and lowland areas. The reduced harvested acreage and below normal yields resulted in sharp declines in production for most major crops, particularly corn, soybeans, and cotton. Sunny weather in October and early November permitted most farmers to complete harvesting on schedule.

SOYBEANS: Missouri soybean production in 1993 totaled 117 million bushels, down 27 percent from the 1992 production and the smallest crop since 1988. Farmers harvested 3.55 million of the 4.20 million acres planted in the state as the severe flooding accounted for most of the lost acreage. Missouri yields averaged 33 bushels per acre, down 5 bushels from the 1992 record high, but 2.5 bushels above the 1991 yield. Nationally, Missouri ranks sixth in harvested acres and fifth in production of soybeans. The estimated value of Missouri soybean production is $756 million, 14 percent less than the 1992 crop value.

CORN: The state's corn production in 1993 totaled 167 million bushels, down 49 percent from the record production of 1992 and the smallest since the drought-reduced 1988 crop. Corn for grain was produced from 1.85 million of the 2.20 million planted acres and silage was cut on 80,000 acres, with most of the remainder being lost to flooding. Missouri yields averaged 90 bushels per acre, down from the record 135 bushels of the previous year. The total value of grain production was estimated at $433 million, 37 percent less than last year's value. Corn silage production totaled 680,000 tons, a 39 percent decline from a year earlier. The state average silage yield is 8.5 tons per acre, 5.5 tons below last year's record yield.

SORGHUM: Production of sorghum in Missouri totaled 46 million bushels, 33 percent less than in 1992, but 25 percent larger than the 1991 production. Of the 720,000 acres planted, 640,000 acres were harvested for grain and 10,000 acres were harvested for silage. Average yield for the state was 73 bushels per acre, sharply below the record 97 bushel yield of 1992. Total value of grain sorghum production was estimated at $108 million, 17 percent less than the 1992 value, although prices were higher. Silage yields average 7.0 tons, 2.0 tons less than last year.

WINTER WHEAT: Production in 1993 total 53.2 million bushels, down 18 percent from 1992, but 11 percent above the 1991 production. Of the 1.65 million acres seeded, 1.40 million acres were harvested, 4 percent more than last year. Yield per acre averaged 38 bushels, down 10 bushels from 1992 but 6 bushels above the 1991 yield. Total value of the 1993 crop was estimated at $141 million, 31 percent below last year's wheat value.

COTTON: Missouri cotton production is estimated at 376,000 bales, 30 percent less than the record production of 1992. The state yield of 539 pounds is sharply below the 792 pounds of 1992 and is the lowest since 1983. The crop was harvested from 335,000 acres of the 345,000 acres planted. Total cotton value was estimated at $96.0 million, 30 percent less than last year's record value. Cottonseed production totaled 152,000 tons, down 30 percent from the 1992 record level. Value of cottonseed was estimated at $15.0 million, down 19 percent from 1992.

RICE: Rice production in Missouri in 1993 totaled 4.56 million hundredweight, down 15 percent from a year earlier and 3 percent below the 1991 crop. The state average yield at 4,900 pounds is up 100 pounds from 1992, but down 200 pounds from 2 years earlier. Farmers harvested 93,000 acres of the 105,000 acres planted. Total value of the 1993 crop was estimated at $41.0 million, 29 percent more than last year's value as significantly higher prices offset the lower production.

TOBACCO: Tobacco production in the state totaled 4.76 million pounds, up 44 percent from the low production of 1992, but 30 percent below 2 years earlier. The estimated state yield of 1,700 pounds per acre is down 240 pounds from a year earlier and the lowest since 1961. Harvested acres at 2,800 were up 65 percent from last year's hail damaged crop. Value of production was estimated at 8.45 million, 45 percent more than the 1992 crop value.

POTATOES: The 1993 commercial potato production in Missouri totaled 1.51 million hundredweight, 15 percent below a year earlier. Of the 7,700 acres planted, 6,700 acres were harvested, 500 acres less than in 1992. The state average yield of 225 hundredweight per acre is down 20 hundredweight from 1992. Total value of the 1993 crop was estimated at $8.82 million, 5 percent more than 1992, as higher prices more than offset lower production.

HAY: Hay production in the state totaled a record high 7.33 million tons, 4 percent more than 1992 and 3 percent above 2 years earlier. Missouri hay yields averaged 2.06 tons per acre compared with 1.95 tons in 1992. Acres of **alfalfa** were estimated at 460,000 acres, down 40,000 acres from 1992, while the alfalfa yield averaged 2.80 tons, down 0.10 ton from 1992. Alfalfa production declined 15 percent to 1.29 million tons. Acreage of all **other hay** remained unchanged from last year at 3.10 million, but yield increased by 0.15 ton from 1992 to 1.95 tons per acre. Other hay production totaled 6.05 million tons, compared to 5.58 million tons for 1992.

MISSOURI CROP PRODUCTION, 1992-93

Crop	Unit	Acres Harvested 1992	Acres Harvested 1993	Yield per Acre 1992	Yield per Acre 1993	Production 1992	Production 1993
		-thous. ac.-		-bu.-		-thous.-	
Corn for Grain	bu.	2,400	1,850	135.0	90.0	324,000	166,500
Corn for Silage	ton	80	80	14.0	8.5	1,120	680
Sorghum for Grain	bu.	720	640	97.0	73.0	69,840	46,720
Sorghum for Silage	ton	10	10	9.0	7.0	90	70
Soybeans	bu.	4,250	3,550	38.0	33.0	161,500	117,150
Winter Wheat	bu.	1,350	1,400	48.0	38.0	64,800	53,200
Oats	bu.	45	14	54.0	49.0	2,430	686
All Rice 1/	cwt.	112	93	4,800	4,900	5,376	4,557
Long Grain 1/	cwt.	111	93	4,800	4,900	5,328	4,557
Medium Grain 1/	cwt.	1	---	4,800	---	48	---
Potatoes 1/	cwt.	7.2	6.7	245	225	1,764	1,508
Cotton 2/	bale	328	335	792	539	541	376
Cottonseed	ton	---	---	---	---	217	152
Tobacco 3/	lb.	1.7	2.8	1,940	1,700	3,298	4,760
All Hay 4/	ton	3,600	3,560	1.95	2.06	7,030	7,333
Alfalfa Hay 4/	ton	500	460	2.90	2.80	1,450	1,288
All Other Hay 4/	ton	3,100	3,100	1.80	1.95	5,580	6,045
Apples 5/	lb.	—	—	—	—	37,000	52,000
Peaches 5/	lb.	—	—	—	—	9,000	7,500
Grapes 6/	ton	—	—	—	—	1.85	2.35

1/ Yield in pounds, production in hundredweight.
2/ Yield in pounds, production in 480 pound bales.
3/ Yield and production in pounds.
4/ Yield and production in tons.
5/ Utilized production in pounds.
6/ Utilized production in tons.

VALUE OF MISSOURI CROP PRODUCTION, 1992-93

CROP	UNIT	Average Value per Unit 1992	Average Value per Unit 1993	Value of Production 1992	Value of Production 1993
		-dollars-		-thousand dollars-	
Corn	bu.	2.11	2.60	683,640	432,900
Grain Sorghum	bu.	1.87	2.32	130,601	108,390
Soybeans	bu.	5.45	6.45	880,175	755,618
Winter Wheat	bu.	3.17	2.65	205,146	140,980
Oats	bu.	1.55	1.50	3,767	1,029
All Rice	cwt.	5.91	9.00	31,772	41,013
Potatoes	cwt.	4.75	5.85	8,379	8,822
All Hay	ton	66.00	67.00	451,130	459,395
Cotton	lb.	.526	.532	136,592	96,015
Cottonseed	ton	86.00	99.00	18,662	15,048
Tobacco	lb.	1.772	1.776	5,844	8,454
Apples 1/	lb.	.198	.188	7,313	9,779
Peaches 1/	lb.	.270	.240	2,430	1,800
Grapes 1/	ton	408.00	376.00	755	883
Total Crops 2/	—	—		**2,566,206**	**2,080,126**

1/ Value of utilized production.
2/ Total value of principal crops.

CROP RECORDS FOR MISSOURI:

Acreage, Yield, Production

Crop	Date Series Began	Record	Acreage Harvested	Year 1/	Yield Per Acre	Year 1/	Total Production	Year 1/	Unit
			-thousands-				-thousands-		
Corn	1919	High	5,993	1925	135.0	1992	324,000	1992	bu.
for Grain 2/		Low	1,430	1983	9.3	1934	14,145	1934	bu.
Corn	1919	High	667	1954	14.0	1992	2,822	1953	tons
for Silage		Low	32	1926	2.7	1934	198	1935	tons
Soybeans	1924	High	5,830	1979	38.0	1992	183,645	1979	bu.
for Beans		Low	44	1925	5.0	1936	225	1936	bu.
Sorghum	1929	High	1,410	1985	97.0	1992	117,030	1985	bu.
for Grain 3/		Low	23	1951	6.4	1936	167	1936	bu.
Sorghum	1929	High	144	1957	13.0	1981	1,408	1958	tons
for Silage		Low	8	1929	4.1	1936	46	1929	tons
Winter Wheat 4/	1909	High	4,565	1919	49.0	1988	115,500	1981	bu.
		Low	570	1986	8.5	1916	9,035	1942	bu.
Oats	1866	High	2,250	1943	60.0	1989	59,427	1942	bu.
		Low	14	1993	10.0	1901	686	1993	bu.
Cotton 5/	1879	High	600	1949	796.0	1987	541	1992	bales
		Low	32	1879	127.0	1895	12	1895	bales
Rice (All)	1924	High	92	1991	5,400	1987	5,376	1991	cwt.
		Low	1	1924	1,125	1927	22	1924	cwt.
Tobacco	1866	High	29.0	1877	2,600.0	1970	28,420	1876	lbs.
		Low	1.7	1992	505.0	1887	2,340	1918	lbs.
All Hay	1909	High	3,914	1945	2.06	1993	7,333	1993	tons
		Low	2,442	1937	.51	1911	1,567	1911	tons
Alfalfa Hay	1924	High	850	1969	3.10	1968	2,493	1967	tons
		Low	120	1930	1.50	1936	216	1930	tons
All other Hay	1924	High	3,600	1945	1.95	1993	6,045	1993	tons
		Low	1,982	1959	.53	1934	1,402	1936	tons
Cottonseed	1879	High	---	---	---	---	217	1992	tons
		Low	---	---	---	---	5	1895	tons
Apples	1934	High	---	---	---	---	116,592	1937	lbs.
Commercial		Low	---	---	---	---	17,934	1936	lbs.
Peaches	1899	High	---	---	---	---	192,000	1906	lbs.
		Low	---	---	---	---	6/	1985	lbs.
Grapes	1909	High	---	---	---	---	11.2	1931	tons
		Low	---	---	---	---	.9	1985	tons

1/ These are the latest years that records were achieved. In some cases these records were equaled in several earlier years.
2/ Between 1866 and 1919, corn for grain was included in all corn estimates.
3/ Between 1919 and 1929, sorghum for grain was included in all sorghum estimates.
4/ Between 1866 and 1909, winter wheat was included in all wheat estimates.
5/ Yield measured in pounds.
6/ No significant commercial production due to frost.

1993 WEATHER IN REVIEW

Above normal precipitation in **January** hampered farm work with farmers in some areas of the state still harvesting the 1992 corn crop. January topsoil moisture across the state was rated as 61 percent surplus. Heavy snowfall during the third and fourth weeks of **February** limited early spring fieldwork, and resulted in a significant decline of general condition of livestock from January. **March** brought below average precipitation, but numerous damp days, below average temperatures and lack of sunshine restricted early fieldwork. Topsoil moisture remained rated mostly surplus across the state in March.

April showers during the first three weeks of the month kept farmers out of the fields. During most of the month topsoil moisture was rated above 85 percent surplus. By the end of April corn plantings were 8 percent complete, over two weeks behind normal, and the wheat crop was showing signs of excessive moisture.

Excessive wet field conditions continued well into the month of **May**. Farmers did not make major progress with tillage and planting operations until the last week of the month. Temperatures during May averaged about normal, while precipitation averaged slightly above normal. Topsoil moisture was rated as predominately surplus until late in the month. By the end of May, corn plantings were about 80 percent complete, nearly 3 weeks behind normal and the latest since 1978. Single-crop soybean plantings also began to fall behind normal during May.

Farmers made some progress with fieldwork during **June**, but were hampered by rains, persistent wet conditions, and flooding along many rivers. Corn plantings were complete by mid-June, although many farmers did not plant corn on all intended acreage. Soybean plantings continued to fall behind normal. Single-crop soybean plantings were about 2 weeks behind normal by the end of June. June temperatures were around normal, but precipitation was 2.51 inches above the 30-year average of 4.53 inches. The wheat harvest began about a week later than normal with only the southern third of the state showing significant progress by the end of the month.

During **July** heavy rainfall resulted in flooding and substantial crop losses along major rivers and streams. The Missouri and Mississippi rivers were above flood stage during the entire month. July precipitation averaged 9.48 inches compared to the 30-year average of 3.80 inches. While the northern two-thirds of the state experienced surplus topsoil moisture and flooding, the southern third of the state experienced near drought conditions with the southeastern district being the driest area. Adverse weather conditions resulted in row crop development remaining behind normal during July. Wheat harvest continued to fall behind normal, while weed problems, sprouting and low test weights resulted in poor quality grain in most central and northern areas.

Fair weather and drier field conditions allowed for fieldwork and helped to maintain row crops and pastures in mostly fair-to-good condition during **August**, although crops in many northern counties were in poor condition because of excessive moisture. Row crop progress was still later than normal at the end of the month, with corn showing the slowest development at 11 days behind average. Precipitation for August was 0.62 inches above the 30-year normal of 3.56 inches. The Missouri and Mississippi rivers began to recede, but remained above flood stage most of the month. Wheat harvest was completed by the third week of August, although some wheat (mostly in the northern third of the state) was not harvested because of poor quality. Pastures were rated in mostly good-to-excellent condition during August.

Heavy rainfall returned to the state in **September**. Precipitation averaged 11.72 inches in September, well above the 30-year average of 4.00 inches. Several counties received over 10 inches of rainfall during the third week of September, and many counties along major rivers again experienced flooding. Row crops continued to be rated in mostly fair-to-good condition, with crop development about one week behind normal. The corn harvest began in September, but was mainly confined to southeastern counties. Temperatures were normal to slightly below normal across the state. The substantial rainfall maintained pasture growth in above normal condition throughout the growing season.

Sunny, fair weather during **October** allowed for drying of fields and pushed crop development toward maturity. October precipitation was below the 30-year average, the first month with below normal precipitation since March. Temperatures were normal to below normal during the month. Frost was scattered across the northern half of the state during the weekend of October 10-11, which caused some damage to late crops, primarily soybeans. Row crop harvesting began during October, with the corn harvest running over 2 weeks later than normal, while soybeans and sorghum were a week behind schedule by the end of the month. The cotton harvest progressed normally.

Farmers made major progress with fall harvesting and winter wheat seedings during the first two weeks of **November**. By mid-month fall harvesting was approaching completion, with 92 percent of the corn, soybean and sorghum crops harvested, roughly normal. Frequent rainfall during the second half of November slowed fall tillage and virtually stopped further winter wheat seedings. A few more dry days late in the month permitted most row crop harvesting to be completed. November precipitation at 4.54 inches was well above the normal of 2.47 inches.

Weather conditions were generally normal during December. Temperatures averaged close to normal except during the second week of the month when temperatures were 4 to 7 degrees above normal. December precipitation amounted to 1.71 inches, compared to the 30-year average of 2.15 inches. Topsoil moisture at the end of the month was rated as 66 percent adequate and 34 percent surplus. Winter wheat was reported in mostly fair condition. Reporters were concerned about less plant growth and root development than normal.

Precipitation in Missouri during 1993 averaged 58.45 inches compared to the 30-year average of 39.13 inches. All counties received above average precipitation, except New Madrid County. Osage County received the most precipitation with 88.74 inches, while Callaway, Cole, Franklin, Gasconade, Montgomery, and Vernon counties received over 70 inches of precipitation during the year. All districts received above normal precipitation during the year. The east-central district had the highest annual average precipitation with 63.96 inches, while the central district was second with 61.82 inches. The southeastern district received the smallest amount of precipitation with 49.16 inches, but the average was still 2.58 inches above normal.

CLIMATOLOGICAL DATA:

Precipitation, Snowfall and Average Temperatures, Selected Weather Stations, by Months, Missouri, 1993

Precipitation

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						– inches of water –						
Maryville	1.72	1.26	3.00	2.07	5.37	6.76	25.71	0.47	12.89	1.85	1.11	1.24
Brookfield	2.74	1.71	2.80	3.99	2.31	8.47	15.07	2.70	11.15	1.17	1.94	1.11
Kirksville	1.43	1.30	2.84	4.85	3.83	7.51	13.98	4.49	7.79	0.45	1.72	0.94
Hannibal	2.35	1.46	2.99	5.08	1.97	9.01	7.49	3.94	10.03	2.48	3.08	1.07
Kansas City 1/	1.96	1.28	2.21	5.59	7.30	5.67	10.90	3.98	7.63	1.75	2.07	1.12
Columbia 1/	2.37	1.99	2.14	5.54	4.81	7.28	10.16	8.37	12.06	2.05	4.20	1.52
St. Louis 1/	3.54	2.75	3.31	6.16	3.94	7.12	5.06	4.78	9.16	2.61	4.85	1.48
Clinton	2.27	1.83	2.26	4.42	4.89	5.19	17.89	2.71	14.17	2.98	4.16	2.32
Rolla	4.36	1.78	2.72	4.68	5.14	4.78	9.07	5.64	14.65	3.02	6.54	2.39
Springfield	2.82	2.67	2.62	3.09	4.42	8.75	4.19	2.71	17.46	1.37	4.05	1.63
Poplar Bluff	5.11	2.23	3.29	3.16	5.84	7.30	0.98	4.41	11.61	4.34	5.20	2.14

Snowfall

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						– inches of snow –						
Maryville	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brookfield	7.1	12.5	2.1	0.7	0.0	0.0	0.0	0.0	0.0	T	0.1	0.7
Kirksville	6.0	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.5
Hannibal	1.3	0.0	1.0	T	0.0	0.0	0.0	0.0	0.0	T	0.1	0.1
Kansas City 1/	12.0	15.7	1.1	0.6	0.0	T	0.0	0.0	0.0	T	0.5	2.7
Columbia 1/	7.4	20.2	2.2	T	0.0	0.0	0.0	0.0	0.0	T	1.2	0.8
St. Louis 1/	5.5	20.8	3.0	0.3	0.6	T	0.0	0.0	0.0	T	1.6	1.1
Clinton	9.0	11.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	T
Rolla	4.6	13.1	2.1	3.8	0.0	0.0	0.0	0.0	0.0	1.4	3.3	0.6
Springfield	3.2	14.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	1.2	0.4	0.4
Poplar Bluff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

Average Temperature

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						– degrees Fahrenheit –						
Maryville	21.6	23.5	36.4	47.4	61.3	69.9	74.4	76.1	59.7	52.2	36.4	30.6
Brookfield	27.1	27.7	40.1	52.3	65.0	73.0	73.7	M	M	M	34.5	29.2
Kirksville	25.6	25.3	37.1	50.3	63.6	70.8	75.7	76.2	61.3	53.0	39.3	31.7
Hannibal	25.0	26.5	36.7	50.5	64.1	71.8	76.9	78.2	62.7	55.7	39.2	31.6
Kansas City 1/	25.9	28.6	39.8	50.4	63.5	72.9	77.6	77.8	62.8	53.6	39.4	34.5
Columbia 1/	29.5	29.3	39.9	51.5	63.4	72.4	78.3	76.9	62.7	52.9	40.0	34.6
St. Louis 1/	32.1	31.7	41.5	54.2	66.4	75.1	81.9	80.4	66.4	56.1	43.9	37.2
Clinton	27.8	30.2	41.1	50.1	63.7	73.3	78.8	79.2	63.5	54.7	40.8	35.0
Rolla	30.6	32.2	41.0	51.9	64.2	72.7	80.2	79.1	63.9	54.6	41.4	35.8
Springfield	33.5	33.9	42.9	52.7	63.8	73.1	80.1	79.2	66.0	54.2	41.8	37.9
Poplar Bluff	34.6	35.9	44.2	53.8	66.7	75.2	84.3	79.8	68.5	56.9	43.8	38.6

T–Trace M–Missing 1/Airport

Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service.

USUAL PLANTING AND HARVESTING DATES,
By Crop and Principal Producing Areas, Missouri

CROP	USUAL PLANTING DATES	USUAL HARVESTING DATES BEGIN	MOST ACTIVE	END	PRINCIPAL PRODUCING AREAS AND COUNTIES
CORN:					
GRAIN	APR 10 - JUN 10	SEP 5	SEP 25 - NOV 15	DEC 20	STATEWIDE
SILAGE	APR 10 - JUN 10	AUG 15	AUG 25 - SEP 15	SEP 25	STATEWIDE
FORAGE	APR 10 - JUN 10	AUG 15	AUG 25 - SEP 15	SEP 25	STATEWIDE
COTTON:	APR 20 - JUN 1	SEP 20	OCT 1 - NOV 15	DEC 15	SOUTHEAST
HAY:					
ALFALFA		MAY 20		SEP 10	STATEWIDE
OTHER		MAY 20		SEP 20	STATEWIDE
OATS:	MAR 1 - APR 25	JUN 15	JUN 25 - JUL 15	JUL 25	STATEWIDE
RICE:	APR 15 - MAY 30	AUG 25	SEP 1 - OCT 1	OCT 25	SOUTHEAST
RYE:	AUG 15 - OCT 20	JUN 10	JUN 20 - JUL 10	JUL 10	STATEWIDE
SORGHUM:					
GRAIN	MAY 1 - JUL 1	SEP 10	SEP 25 - OCT 25	DEC 10	STATEWIDE
SILAGE	MAY 5 - JUL 1	AUG 15	AUG 25 - SEP 15	OCT 20	STATEWIDE
SOYBEANS:	MAY 1 - JUL 10	SEP 15	OCT 5 - NOV 15	DEC 15	STATEWIDE
TOBACCO:	MAY 15 - JUN 10	AUG 20	AUG 25 - SEP 15	SEP 25	PLATTE, BUCHANAN
WHEAT:	SEP 20 - NOV 20	JUN 10	JUN 20 - JUL 10	JUL 20	STATEWIDE

GROWING DEGREE DAYS 1/

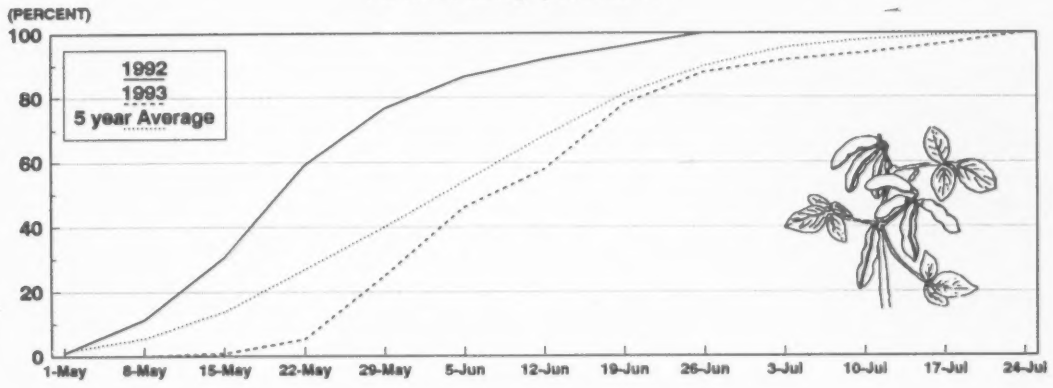
Weather Station	1989	1990	1991	1992	1993	1993 Departure From Long Term Average
St. Joseph	3,472	3,578	3,806	3,249	NA	NA
Kirksville	3,259	3,323	3,683	3,155	3,290	-38
Quincy, IL	3,274	3,255	3,620	3,062	3,209	-141
Kansas City	3,465	3,578	3,800	3,229	3,229	-314
Columbia	3,307	3,389	3,787	3,276	3,417	-37
St. Louis	3,740	3,856	4,264	3,711	3,763	-87
Nevada	3,357	3,517	3,758	3,546	3,531	+105
Springfield	3,401	3,621	3,807	3,675	3,643	+28
Caruthersville	3,786	3,876	4,153	3,712	3,897	-51

1/Growing degree days are calculated by subtracting a 50-degree (Fahrenheit) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 growing degree days will have been accumulated.

1989: Accumulated from April 1 to Oct. 1.
1990: Accumulated from April 1 to Sept. 29.
1991: Accumulated from April 1 to Sept. 28.
1992: Accumulated from April 1 to Oct. 3.
1993: Accumulated from April 1 to Oct. 2.

SINGLE-CROP SOYBEANS PLANTED

For Weeks Ending Specific Dates,

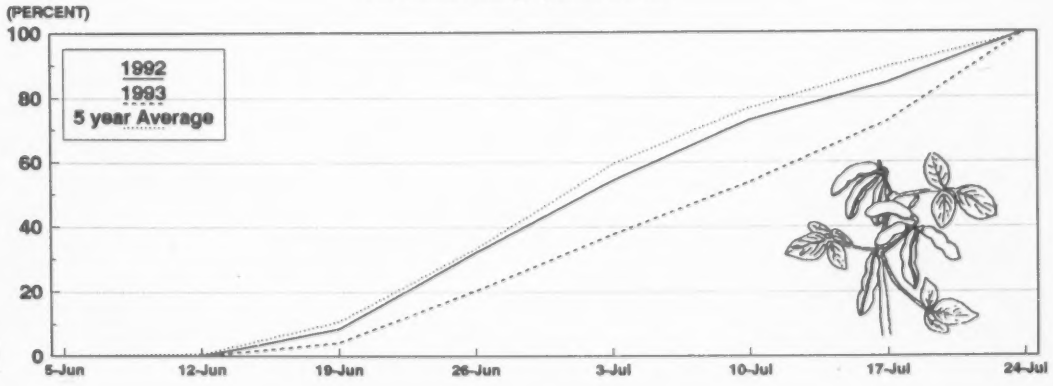


SINGLE-CROP SOYBEANS PLANTED
For Weeks Ending Specific Dates, Missouri 1989-93

YEAR	1-May	8-May	15-May	22-May	29-May	5-Jun	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul
							-percent-						
1989	4.9	12.1	28.6	51.7	64.1	78.4	87.6	91.9	97.4	100.0	100.0	100.0	100.0
1990	0.3	1.3	2.0	3.4	8.7	18.4	36.9	53.3	70.0	87.9	96.4	100.0	100.0
1991	1.4	2.9	7.0	14.9	25.1	41.9	66.6	86.3	94.1	98.5	100.0	100.0	100.0
1992	1.0	11.3	30.7	59.1	76.6	86.4	91.9	95.9	100.0	100.0	100.0	100.0	100.0
1993	0.0	0.0	0.9	5.3	24.9	46.0	57.6	77.9	87.9	91.6	93.7	96.6	100.0
5 year Average	1.5	5.5	13.8	26.9	39.9	54.2	68.1	81.0	89.9	95.6	98.0	99.3	100.0

DOUBLE-CROP SOYBEANS PLANTED

For Weeks Ending Specific Dates,

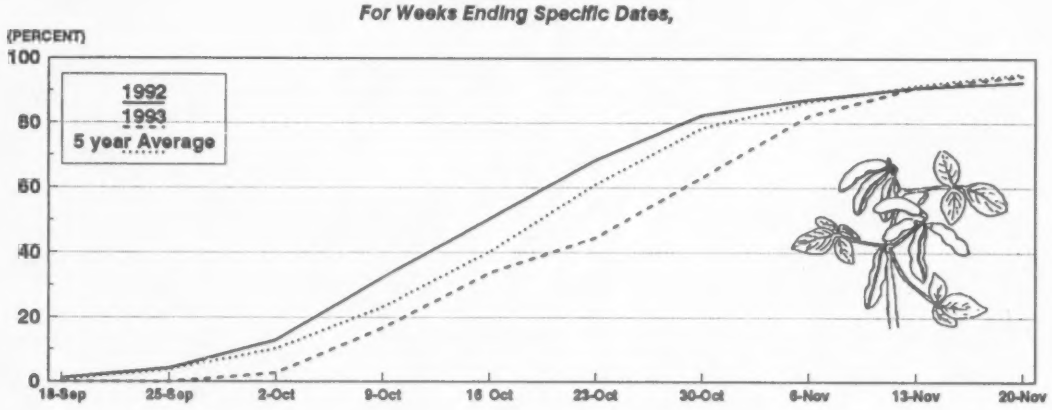


DOUBLE-CROP SOYBEANS PLANTED
For Weeks Ending Specific Dates, Missouri 1989-93

YEAR	5-Jun	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul
				-percent-				
1989	0.0	0.0	2.0	21.0	66.3	87.5	97.1	100.0
1990	0.0	0.0	6.6	30.1	53.1	73.1	92.7	100.0
1991	0.0	4.0	33.6	64.1	85.9	96.3	99.5	100.0
1992	0.0	0.0	8.6	32.0	54.3	72.9	84.4	100.0
1993	0.0	0.0	4.3	20.4	37.6	53.7	72.3	100.0
5 year Average	0.0	0.8	11.0	33.5	59.4	76.7	89.2	100.0

SOYBEANS HARVESTED

For Weeks Ending Specific Dates,



SOYBEANS HARVESTED:
For Weeks Ending Specific Dates, Missouri 1989-93

YEAR	18-Sep	25-Sep	2-Oct	9-Oct	16-Oct	23-Oct	30-Oct	6-Nov	13-Nov	20-Nov
					-percent-					
1989	0.0	1.4	5.6	18.0	38.7	58.6	81.3	89.9	95.6	99.1
1990	0.0	2.1	7.0	13.4	24.1	47.7	67.7	84.3	91.4	96.4
1991	1.4	7.0	15.3	28.7	48.0	69.0	81.9	84.7	89.1	92.9
1992	1.1	4.1	12.9	32.4	50.4	68.6	82.6	87.4	90.9	92.7
1993	0.0	0.0	2.6	16.7	33.6	44.6	63.1	82.3	91.0	94.6
5 year Average	**0.6**	**3.7**	**10.2**	**23.1**	**40.3**	**61.0**	**78.4**	**86.6**	**91.7**	**95.3**

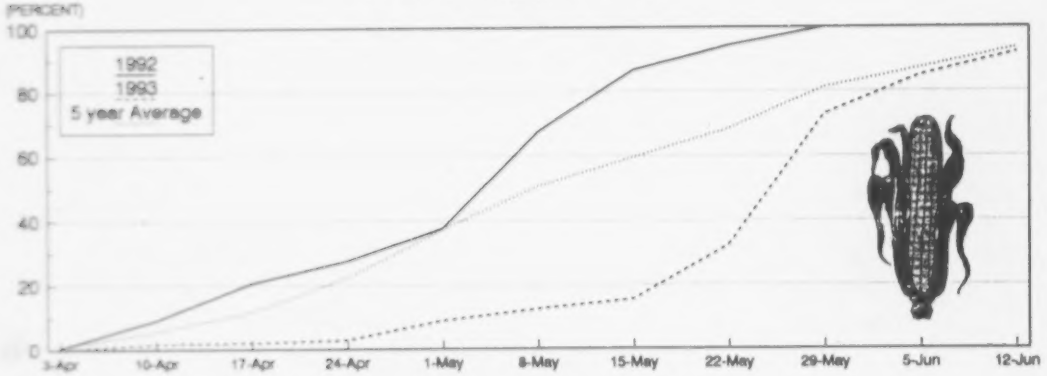
SOYBEANS:
Distribution Percentage by Row Width, Missouri, 1989-93 1/

Year	Number of Samples	Row Width (inches) 10.0 & Less 2/	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & Greater	Average Row Width
		-percent of samples-					-inches-
1989	145	23.8	5.9	7.3	42.9	20.1	25.7
1990	141	26.8	6.1	7.8	42.5	16.8	24.9
1991	133	32.6	12.4	5.6	35.2	14.2	22.2
1992	140	38.0	14.5	3.2	38.6	5.7	19.9
1993	**113**	**39.8**	**8.8**	**6.2**	**23.0**	**22.1**	**22.5**

1/ Based on Soybean Objective Yield Survey. Data reflects trends in cropping practices, but are not official National Agricultural Statistics Board estimates.
2/ Broadcast soybeans included as 10.0 inches and less but excluded in computation of average width.

CORN PLANTED

For Weeks Ending Specific Dates,

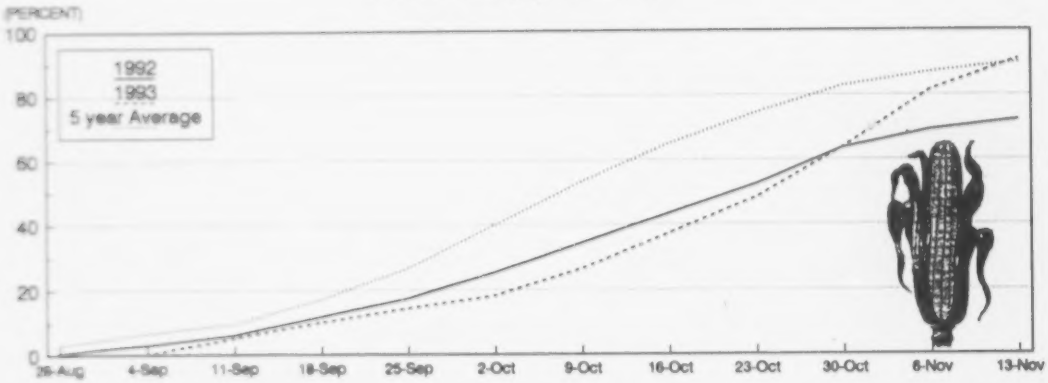


CORN PLANTED:
For Weeks Ending Specific Dates, Missouri 1989-93

YEAR	3-Apr	10-Apr	17-Apr	24-Apr	1-May	8-May	15-May	22-May	29-May	5-Jun	12-Jun
						-percent-					
1989	0.1	1.3	6.7	34.1	67.3	82.7	93.4	96.4	99.1	100.0	100.0
1990	0.0	1.3	3.4	11.9	27.1	36.4	40.6	44.3	52.0	62.7	79.3
1991	3.1	14.7	25.3	35.7	45.9	53.1	62.0	74.3	82.1	88.9	96.6
1992	0.5	9.1	20.6	27.6	37.6	67.4	86.6	94.3	100.0	100.0	100.0
1993	0.0	1.7	2.0	2.9	9.0	12.6	15.6	32.3	72.7	85.0	92.0
5 year Average	0.7	5.5	11.6	22.4	37.4	50.5	59.6	68.3	81.2	87.3	93.6

CORN HARVESTED

For Weeks Ending Specific Dates,

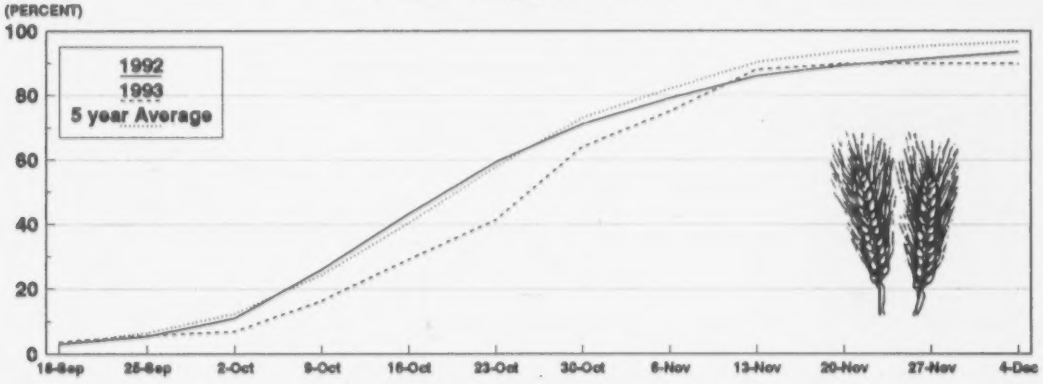


CORN HARVESTED:
For Weeks Ending Specific Dates, Missouri 1989-93

YEAR	28-Aug	4-Sep	11-Sep	18-Sep	25-Sep	2-Oct	9-Oct	16-Oct	23-Oct	30-Oct	6-Nov	13-Nov
							-percent-					
1989	2.6	6.3	8.3	11.3	21.4	39.0	59.3	74.4	84.1	91.3	93.6	97.3
1990	0.0	1.3	4.1	9.3	18.7	32.0	44.9	53.6	70.7	82.9	91.1	94.9
1991	10.0	16.1	24.6	36.7	49.9	63.7	75.6	86.0	91.3	93.4	94.4	95.4
1992	0.4	3.2	6.1	12.0	17.6	25.4	34.4	43.4	52.4	63.6	69.1	72.1
1993	0.0	0.0	5.4	10.3	14.4	18.4	26.7	37.4	48.4	63.7	81.4	90.9
5 year Average	2.6	5.4	9.7	15.9	24.4	35.7	48.2	59.0	69.4	80.0	85.9	90.1

WHEAT SEEDED

For Weeks Ending Specific Dates,

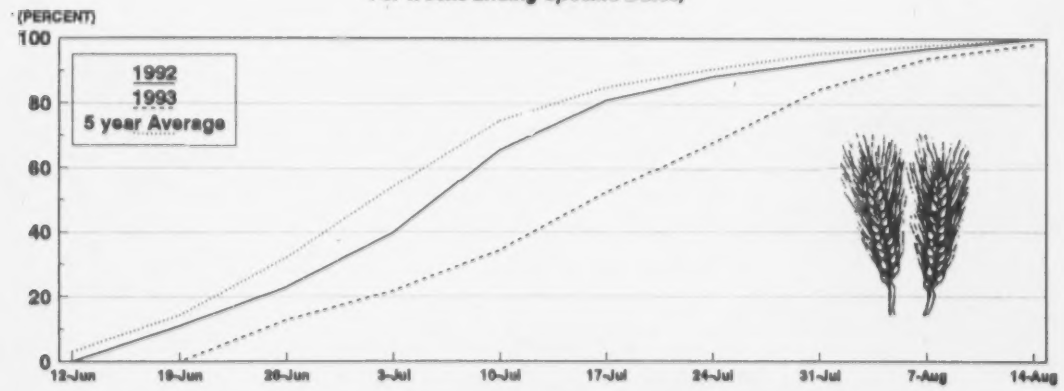


WHEAT SEEDED
For Weeks Ending Specific Dates, Missouri 1989-93

YEAR	18-Sep	25-Sep	2-Oct	9-Oct	16-Oct	23-Oct	30-Oct	6-Nov	13-Nov	20-Nov	27-Nov	4-Dec
						-percent-						
1989	2.4	6.3	16.1	32.0	52.4	69.1	83.1	90.7	95.7	100.0	100.0	100.0
1990	2.6	5.7	12.9	21.7	32.6	54.4	71.1	82.4	91.9	95.7	100.0	100.0
1991	3.6	9.1	15.4	26.4	45.3	65.4	76.1	83.3	90.7	93.4	96.6	100.0
1992	3.1	5.4	11.0	25.9	43.1	59.4	71.1	79.0	86.0	89.4	91.5	93.6
1993	3.7	5.7	6.9	16.4	29.1	41.3	61.0	78.6	87.9	89.9	90.0	90.0
5 year Average	3.1	6.5	12.5	24.5	40.5	57.9	72.5	82.8	90.4	93.7	95.6	96.7

WHEAT HARVESTED

For Weeks Ending Specific Dates,

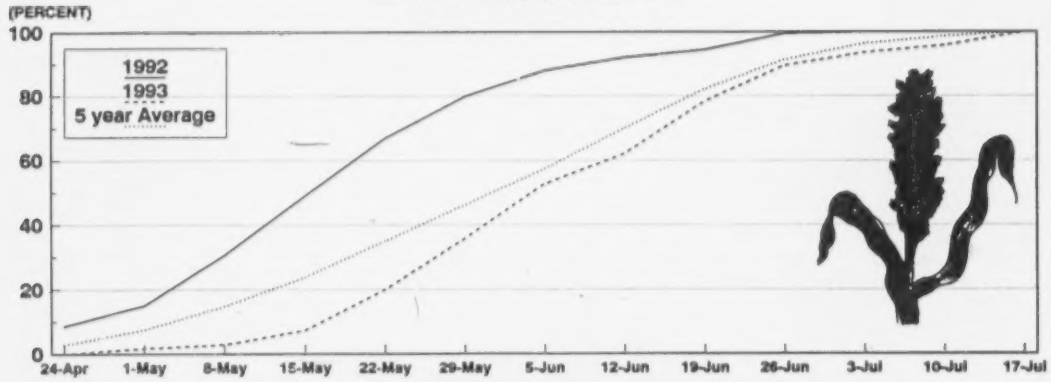


WHEAT HARVESTED:
For Weeks Ending Specific Dates, Missouri 1989-93

YEAR	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul	24-Jul	31-Jul	7-Aug	14-Aug
						-percent-				
1989	0.1	3.6	25.6	69.0	93.9	99.1	100.0	100.0	100.0	100.0
1990	0.0	10.6	21.6	45.6	81.3	93.4	97.9	100.0	100.0	100.0
1991	16.0	47.0	78.1	95.6	99.4	100.0	100.0	100.0	100.0	100.0
1992	0.0	11.0	22.9	39.6	65.7	81.1	88.3	92.9	96.9	100.0
1993	0.0	0.0	12.7	21.7	34.1	52.3	67.9	84.6	93.9	98.4
5 year Average	3.2	14.4	32.2	54.3	74.9	85.2	90.8	95.5	98.1	99.7

SORGHUM PLANTED

For Weeks Ending Specific Dates,

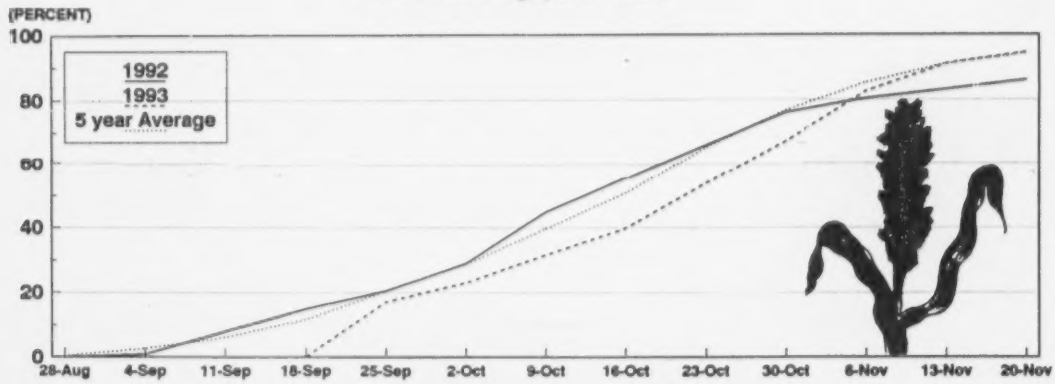


SORGHUM PLANTED
For Weeks Ending Specific Dates, Missouri 1989-93

YEAR	24-Apr	1-May	8-May	15-May	22-May	29-May	5-Jun	12-Jun	19-Jun	26-Jun	3-Jul	10-Jul	17-Jul
							-percent-						
1989	3.3	13.1	28.0	42.3	58.6	75.1	82.9	88.4	91.7	96.6	100.0	100.0	100.0
1990	0.0	3.0	3.9	7.1	10.6	12.6	20.0	41.0	60.3	75.6	89.6	97.1	100.0
1991	2.9	5.3	9.1	14.1	19.6	27.7	43.4	66.7	86.6	95.7	99.5	100.0	100.0
1992	8.6	15.0	30.6	48.9	66.9	79.9	88.0	92.1	94.4	99.5	100.0	100.0	100.0
1993	0.0	1.7	2.9	7.3	20.0	35.7	52.6	61.9	78.4	89.6	93.6	95.7	100.0
5 year Average	2.9	7.6	14.9	23.9	35.1	46.2	57.4	70.0	82.3	91.4	96.5	98.6	100.0

SORGHUM HARVESTED

For Weeks Ending Specific Dates,



SORGHUM HARVESTED
For Weeks Ending Specific Dates, Missouri 1989-93

YEAR	28-Aug	4-Sep	11-Sep	18-Sep	25-Sep	2-Oct	9-Oct	16-Oct	23-Oct	30-Oct	6-Nov	13-Nov	20-Nov
							-percent-						
1989	0.0	3.0	10.1	18.0	25.6	36.7	49.1	64.0	77.4	86.7	91.7	96.6	100.0
1990	0.0	0.0	0.0	5.4	9.9	14.0	20.7	30.7	49.9	67.4	83.6	91.4	96.4
1991	2.0	8.9	13.0	20.4	29.7	41.6	52.9	64.9	79.1	86.4	88.7	92.3	94.4
1992	0.0	1.0	8.0	15.0	20.6	29.1	44.9	55.7	65.9	76.1	80.4	83.1	86.1
1993	0.0	0.0	0.0	0.0	17.1	23.1	31.7	39.9	53.9	67.1	82.7	91.0	94.6
5 year Average	0.4	2.6	6.2	11.8	20.6	28.9	39.9	51.0	65.2	76.8	85.4	90.9	94.3

FIELD CROPS:

Corn : Acreage, Yield, Production and Value, Missouri, 1989-93

Crop Year	All Corn			Harvested for Grain		
	Planted	Harvested	Abandoned 1/	Acres	Yield Per Acre	Production
		-thousand- acres-		-thousands-	-bushels-	-thous bushels-
1989	2,400	2,380	20	2,290	96.0	219,840
1990	2,100	2,050	50	1,960	105.0	205,800
1991	2,300	2,280	20	2,200	97.0	213,400
1992	2,500	2,480	20	2,400	135.0	324,000
1993	**2,200**	**1,960**	**270**	**1,850**	**90.0**	**166,500**

Crop Year	Value of Corn for Grain 2/		Harvested for Silage		
	Per Bushel	Total	Acres	Yield per acre	Production
	-dollars-	-thous dol-	-thousands-	-tons-	-thousand tons-
1989	2.38	523,219	90	12.5	1,125
1990	2.38	489,804	90	13.0	1,170
1991	2.45	522,830	80	10.0	800
1992	2.11	683,640	80	14.0	1,120
1993	**2.60**	**432,900**	**80**	**8.5**	**680**

Sorghum: Acreage, Yield, Production and Value, Missouri, 1989-93

Crop Year	All Sorghum			Harvested for Grain		
	Planted	Harvested	Abandoned 1/	Acres	Yield Per Acre	Production
		-thousand- acres-		-thousands-	-bushels-	-thous bushels-
1989	600	585	15	570	79.0	45,030
1990	550	540	10	520	82.0	42,640
1991	550	530	20	520	72.0	37,440
1992	750	730	20	720	97.0	69,840
1993	**720**	**650**	**70**	**640**	**73.0**	**46,720**

Crop Year	Value of Sorghum for Grain 2/		Harvested for Silage		
	Per Bushel	Total	Acres	Yield per acre	Production
	-dollars-	-thous dol-	-thousands-	-tons-	-thousand tons-
1989	2.16	97,265	15	10.0	150
1990	2.18	92,955	20	11.0	220
1991	2.31	86,486	10	8.0	80
1992	1.87	130,601	10	9.0	90
1993	**2.32**	**108,390**	**10**	**7.0**	**70**

1/ Includes all acreage not harvested for silage or grain.
2/ Value is based on marketing year average price (see page 73).

FIELD CROPS:

Acreage, Yield, Production and Value, Missouri, 1989-93

Crop Year	Acreage Planted	Acreage Harvested	Yield Unit	Yield Per Acre	Production	Value 1/ Per Unit	Value 1/ Total
	-thousands-				-thous units-	-dollars-	-thous dol-
				-Winter Wheat-			
1989	1,970	1,850	Bu.	47.0	86,950	3.72	323,454
1990	2,150	2,000	Bu.	38.0	76,000	2.69	204,440
1991	1,650	1,500	Bu.	32.0	48,000	2.37	113,760
1992	1,500	1,350	Bu.	48.0	64,800	3.17	205,146
1993	**1,650**	**1,400**	**Bu.**	**38.0**	**53,200**	**2.65**	**140,980**
				-All Soybeans-			
1989	4,400	4,350	Bu.	28.0	121,800	5.60	682,080
1990	4,200	4,150	Bu.	30.0	124,500	5.73	713,385
1991	4,500	4,430	Bu.	30.5	135,115	5.59	755,293
1992	4,300	4,250	Bu.	38.0	161,500	5.45	880,175
1993	**4,200**	**3,550**	**Bu.**	**33.0**	**117,150**	**6.45**	**755,618**
				-Soybeans, single-crop-			
1989	3,760	3,735	Bu.	29.3	109,550	---	---
1990	3,540	3,500	Bu.	30.7	107,400	---	---
1991	3,800	3,765	Bu.	31.9	119,950	---	---
1992	3,780	3,748	Bu.	39.4	147,590	---	---
1993	**3,775**	**3,145**	**Bu.**	**33.6**	**105,711**	**---**	**---**
				-Soybeans, double-crop-			
1989	640	615	Bu.	19.9	12,250	---	---
1990	660	650	Bu.	26.3	17,100	---	---
1991	700	665	Bu.	22.8	15,165	---	---
1992	520	502	Bu.	27.7	13,910	---	---
1993	**425**	**405**	**Bu.**	**28.2**	**11,439**	**---**	**---**
				-Cotton 2/-			
1989	214	209	Lb.	618	269	64.70	83,541
1990	248	235	Lb.	641	314	65.30	98,420
1991	332	327	Lb.	630	429	60.40	124,376
1992	335	328	Lb.	792	541	52.60	136,592
1993	**345**	**335**	**Lb.**	**539**	**376**	**53.20**	**96,015**
				-Cottonseed-			
1989	---	---	Ton	---	104.0	95.00	9,880
1990	---	---	Ton	---	124.0	107.00	13,268
1991	---	---	Ton	---	171.0	60.00	10,260
1992	---	---	Ton	---	217.0	86.00	18,662
1993	**---**	**---**	**Ton**	**---**	**152.0**	**99.00**	**15,048**

1/ Value is based on marketing year average price (see page 73).
2/ Cotton production in 480 pound bales, price in cents per pound.

FIELD CROPS:

Acreage, Yield, Production and Value, Missouri, 1989-93

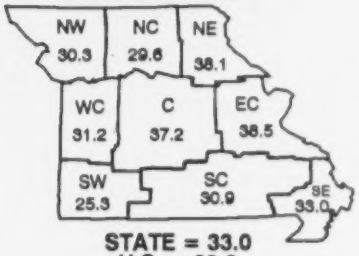
Crop Year	Acreage Planted	Acreage Harvested	Unit	Yield Per Acre	Production	Value 1/ Per Unit	Value 1/ Total
	-thousands-				-thous units-	-dollars-	-thous dol-
				-Oats-			
1989	110	60	Bu.	60.0	3,600	1.65	5,940
1990	60	42	Bu.	53.0	2,226	1.20	2,671
1991	65	32	Bu.	51.0	1,632	1.30	2,122
1992	90	45	Bu.	54.0	2,430	1.55	3,767
1993	**35**	**14**	**Bu.**	**49.0**	**686**	**1.50**	**1,029**
				-Rice (All) 2/-			
1989	81	79	Cwt.	5,200	4,108	7.54	30,974
1990	92	80	Cwt.	4,700	3,760	7.21	27,110
1991	97	92	Cwt.	5,100	4,692	7.81	36,645
1992	117	112	Cwt.	4,800	5,376	5.91	31,772
1993	**105**	**93**	**Cwt.**	**4,900**	**4,557**	**9.00**	**41,013**
				-Tobacco 3/-			
1989	---	2,500	Lb.	2,180	5,450	1.625	8,856
1990	---	2,600	Lb.	2,280	5,928	1.742	10,327
1991	---	3,000	Lb.	2,275	6,825	1.765	12,046
1992	---	1,700	Lb.	1,940	3,298	1.772	5,844
1993	**---**	**2,800**	**Lb.**	**1,700**	**4,760**	**1.776**	**8,454**
				-All Hay- 4/			
1989	---	3,730	Ton	1.81	6,764	73.50	476,346
1990	---	3,580	Ton	1.92	6,865	63.50	414,295
1991	---	3,700	Ton	1.92	7,110	65.00	433,935
1992	---	3,600	Ton	1.95	7,030	66.00	451,130
1993	**---**	**3,560**	**Ton**	**2.06**	**7,333**	**67.00**	**459,395**
				-Alfalfa Hay-			
1989	---	530	Ton	2.80	1,484	91.50	135,786
1990	---	480	Ton	3.00	1,440	80.50	115,920
1991	---	500	Ton	2.70	1,350	82.50	111,375
1992	---	500	Ton	2.90	1,450	86.00	124,700
1993	**---**	**460**	**Ton**	**2.80**	**1,288**	**91.50**	**117,852**
				-All Other Hay-			
1989	---	3,200	Ton	1.65	5,280	64.50	340,560
1990	---	3,100	Ton	1.75	5,425	55.00	298,375
1991	---	3,200	Ton	1.80	5,760	56.00	322,560
1992	---	3,100	Ton	1.80	5,580	58.50	326,430
1993	**---**	**3,100**	**Ton**	**1.95**	**6,045**	**56.50**	**341,543**

1/ Value is based on marketing year average price (see page 73).
2/ Rice yield is in pounds; production is in cwt.
3/ Tobacco acreage in acres, not thousand acres.
4/ Price per unit is based on hay actually sold. Total value is based on added total of alfalfa and all other hay values.

1993 CROP YIELDS BY DISTRICTS

BU.\ ACRE

SOYBEANS



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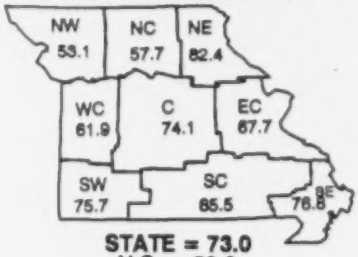

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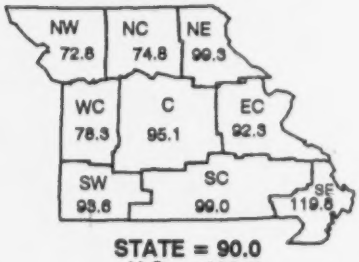
CORN



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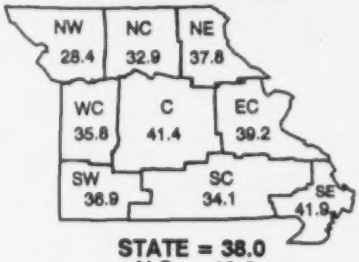
WINTER WHEAT



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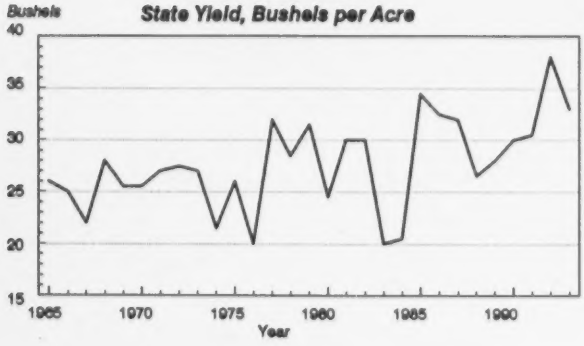
CROP YIELDS, 1965 - 1993

SOYBEANS:



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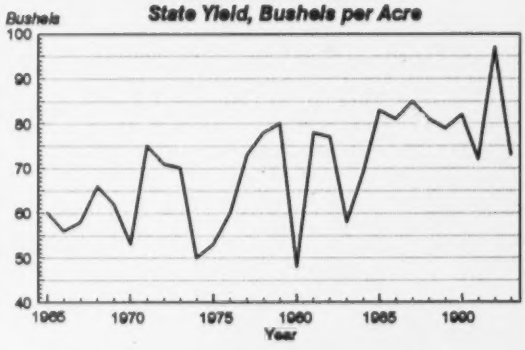

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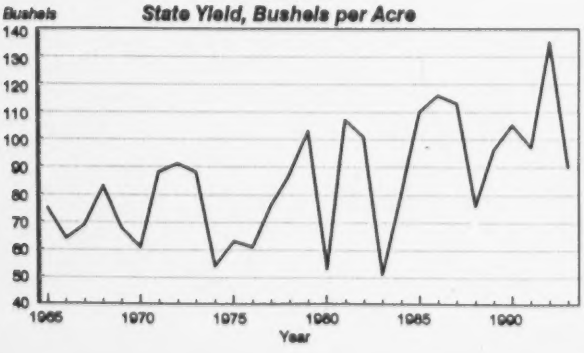

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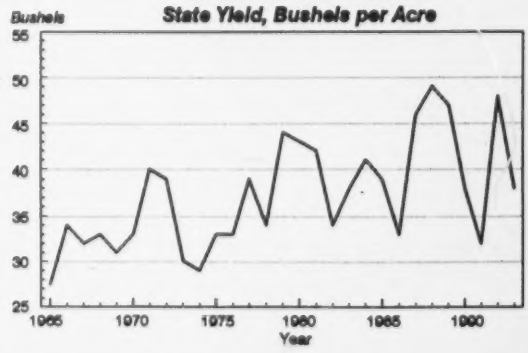


1993 SOYBEAN PRODUCTION,

By Counties

TOP TEN COUNTIES

PEMISCOT. . . . 5,667,000 bu.
NEW MADRID. 5,346,000 bu.
MISSISSIPPI . . 5,143,000 bu.
STODDARD. . . 4,880,000 bu.
AUDRAIN. . . . . 4,319,000 bu.
SALINE . . . . . 3,914,000 bu.
LAFAYETTE . . .3,281,000 bu.
BUTLER. . . . . 3,040,000 bu.
ATCHISON . . . 3,007,000 bu.
DUNKLIN. . . . . 2,953,000 bu.

These top ten counties represent 35.5% of the State's total soybean production.

2,000,000 bu. and Above
1,000,000 bu. - 1,999,999 bu.
100,000 bu. - 999,999 bu.
Under 100,000 bu.

SOYBEANS:

Single and Double Crop, Acreage, Yield and Production, By Districts, Missouri, 1992-93

District	SINGLE-CROP						DOUBLE-CROP					
	Acres Harvested		Yield		Production		Acres Harvested		Yield		Production	
	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993
	-thous-		-bu-		-thous bu-		-thous-		-bu-		-thous bu-	
NW	856.1	659.8	39.4	30.4	33,695.0	20,025.0	16.6	3.1	21.8	18.4	362.0	57.0
NC	611.6	424.2	37.6	29.6	22,984.0	12,569.0	10.4	1.2	20.3	20.8	211.0	25.0
NE	615.7	552.2	39.0	38.5	24,017.0	21,256.0	33.5	11.9	16.4	20.2	549.0	240.0
WC	352.5	345.5	42.7	32.3	15,062.0	11,168.0	67.2	32.4	23.3	19.6	1,566.0	635.0
C	371.6	286.3	42.2	38.2	15,674.0	10,925.0	34.4	15.4	20.3	19.4	697.0	299.0
EC	228.0	123.5	40.0	39.3	9,109.0	4,852.0	27.3	7.3	20.6	25.5	562.0	186.0
SW	55.3	72.5	34.8	27.6	1,925.0	2,002.0	50.8	44.2	26.0	21.4	1,321.0	946.0
SC	25.2	24.8	35.7	31.3	899.0	775.0	3.5	3.1	26.6	28.1	93.0	87.0
SE	632.0	656.2	38.3	33.7	24,225.0	22,139.0	258.3	286.4	33.1	31.3	8,549.0	8,964.0
STATE	**3,748.0**	**3,145.0**	**39.4**	**33.6**	**147,590.0**	**105,711.0**	**502.0**	**405.0**	**27.7**	**28.2**	**13,910.0**	**11,439.0**

SOYBEANS:

Acreage, Yield, Production and Value, By Counties, Missouri, 1992 – 93

County	1992 Harvested	1992 Yield per Acre	1992 Production	1992 Total Value	1993 Harvested	1993 Yield per Acre	1993 Production	1993 Total Value
	– acres –	– bushels –		– thous dol –	– acres –	– bushels –		– thous dol –
ADAIR	31,600	34.2	1,082,000	5,800.0	30,400	27.9	848,000	5,376.0
ANDREW	59,100	38.9	2,298,000	12,364.0	53,900	28.4	1,531,000	9,753.0
ATCHISON	112,800	42.3	4,771,000	25,668.0	89,400	33.6	3,007,000	19,155.0
AUDRAIN	121,400	35.8	4,342,000	23,838.0	110,300	39.2	4,319,000	28,030.0
BARRY	*				*			
BARTON	50,600	31.4	1,591,000	8,480.0	61,300	24.9	1,526,000	9,614.0
BATES	73,800	37.9	2,795,000	15,205.0	66,500	28.4	1,889,000	12,052.0
BENTON	13,400	42.3	567,000	3,050.0	12,600	34.0	428,000	2,722.0
BOLLINGER	13,800	35.6	491,000	2,657.0	12,800	33.0	422,000	2,705.0
BOONE	35,000	34.9	1,220,000	6,564.0	23,500	37.7	887,000	5,642.0
BUCHANAN	52,000	38.8	2,016,000	10,846.0	37,200	37.3	1,389,000	8,848.0
BUTLER	90,000	37.5	3,372,000	18,816.0	102,300	29.7	3,040,000	20,003.0
CALDWELL	41,800	41.9	1,751,000	9,421.0	35,200	29.6	1,043,000	6,644.0
CALLAWAY	46,500	38.6	1,794,000	9,652.0	24,800	36.9	914,000	5,813.0
CAMDEN	*				*			
CAPE GIRARDEAU	41,400	36.8	1,522,000	8,493.0	36,700	35.6	1,308,000	8,607.0
CARROLL	104,700	42.7	4,470,000	23,960.0	48,000	34.0	1,634,000	10,360.0
CARTER	*				*			
CASS	50,900	42.3	2,153,000	11,712.0	54,400	29.1	1,584,000	10,106.0
CEDAR	3,400	35.6	121,000	658.0	2,700	26.7	72,000	459.0
CHARITON	114,000	40.2	4,581,000	24,554.0	60,300	32.2	1,943,000	12,319.0
CHRISTIAN	*				*			
CLARK	55,800	42.2	2,354,000	12,923.0	45,900	37.0	1,700,000	11,033.0
CLAY	19,900	41.3	822,000	4,422.0	13,900	34.1	474,000	3,019.0
CLINTON	28,300	42.9	1,214,000	6,531.0	28,900	33.3	963,000	6,134.0
COLE	6,800	40.4	275,000	1,479.0	2,500	32.3	80,800	513.8
COOPER	46,200	39.1	1,805,000	9,711.0	39,400	37.3	1,471,000	9,356.0
CRAWFORD	500	34.0	17,000	94.4	500	34.2	17,100	111.7
DADE	18,900	30.1	568,000	3,027.0	19,400	27.2	528,000	3,326.0
DALLAS	*				*			
DAVIESS	68,700	36.8	2,526,000	13,590.0	46,500	24.1	1,120,000	7,134.0
DEKALB	32,600	41.5	1,353,000	7,279.0	28,700	27.6	792,000	5,045.0
DENT	*				*			
DOUGLAS	*				*			
DUNKLIN	80,500	31.3	2,523,000	14,078.0	92,800	31.8	2,953,000	19,431.0
FRANKLIN	16,500	35.8	590,000	3,274.0	8,200	35.7	293,000	1,913.0
GASCONADE	5,500	38.2	210,000	1,166.0	1,800	32.7	58,900	384.6
GENTRY	46,700	37.2	1,736,000	9,340.0	37,100	27.6	1,024,000	6,523.0
GREENE	*				*			
GRUNDY	59,000	31.8	1,879,000	10,072.0	52,500	24.9	1,307,000	8,286.0
HARRISON	51,800	37.4	1,936,000	10,416.0	47,300	27.6	1,306,000	8,319.0
HENRY	38,600	35.2	1,357,000	7,382.0	32,900	29.2	961,000	6,131.0
HICKORY	1,800	34.3	61,700	331.9	1,600	26.8	42,900	272.8
HOLT	100,300	38.4	3,849,000	20,708.0	58,900	32.2	1,898,000	12,090.0
HOWARD	32,000	36.2	1,157,000	6,225.0	19,700	38.5	759,000	4,827.0
HOWELL	*				*			
IRON	*				*			
JACKSON	36,300	39.2	1,422,000	7,736.0	29,000	34.2	993,000	6,335.0
JASPER	24,700	30.3	749,000	3,992.0	25,400	24.4	620,000	3,906.0
JEFFERSON	3,900	34.4	134,000	743.9	2,500	37.8	94,400	616.5
JOHNSON	45,400	42.0	1,906,000	10,368.0	39,100	30.4	1,189,000	7,586.0
KNOX	66,000	36.1	2,380,000	13,066.0	53,000	36.2	1,916,000	12,435.0
LACLEDE	*				*			
LAFAYETTE	94,700	45.7	4,329,000	23,550.0	84,000	39.1	3,281,000	20,933.0
LAWRENCE	7,200	27.6	199,000	1,061.0	7,700	25.3	195,000	1,228.0
LEWIS	52,600	40.0	2,103,000	11,546.0	41,600	38.8	1,616,000	10,488.0
LINCOLN	41,800	35.7	1,491,000	8,275.0	26,300	38.9	1,022,000	6,674.0
LINN	50,600	34.9	1,764,000	9,455.0	37,400	28.8	1,078,000	6,835.0
LIVINGSTON	93,100	37.6	3,498,000	18,749.0	51,100	30.2	1,544,000	9,789.0
MCDONALD	*				*			
MACON	63,700	33.5	2,137,000	11,454.0	51,700	32.3	1,671,000	10,594.0
MADISON	*				*			
MARIES	*				*			
MARION	50,800	40.5	2,057,000	11,293.0	41,400	38.6	1,600,000	10,384.0
MERCER	24,600	36.4	895,000	4,797.0	23,200	21.6	501,000	3,176.0

SOYBEANS:

Acreage, Yield, Production and Value, By Counties, Missouri, 1992 – 93

County	1992 Harvested	1992 Yield per Acre	1992 Production	1992 Total Value	1993 Harvested	1993 Yield per Acre	1993 Production	1993 Total Value
	– acres –	– bushels –		– thous dol –	– acres –	– bushels –		– thous dol –
MILLER	1,200	38.3	46,000	247.5	1,200	28.9	34,700	220.6
MISSISSIPPI	133,900	40.2	5,381,000	30,026.0	141,500	36.3	5,143,000	33,841.0
MONITEAU	15,700	38.7	607,000	3,266.0	9,500	31.9	303,000	1,927.0
MONROE	66,900	33.6	2,251,000	12,358.0	61,800	39.1	2,414,000	15,667.0
MONTGOMERY	52,000	39.1	2,032,000	11,277.0	39,100	40.2	1,570,000	10,252.0
MORGAN	6,200	37.9	235,000	1,264.0	6,300	35.7	225,000	1,431.0
NEW MADRID	156,900	38.2	5,990,000	33,424.0	165,400	32.3	5,346,000	35,177.0
NEWTON	3,600	28.9	104,000	554.4	1,800	27.6	49,700	313.0
NODAWAY	117,500	37.4	4,391,000	23,624.0	106,400	27.1	2,884,000	18,371.0
OREGON	*				*			
OSAGE	8,300	42.4	352,000	1,894.0	2,000	39.1	78,100	496.7
OZARK	*				*			
PEMISCOT	153,300	37.8	5,790,000	32,308.0	166,500	34.0	5,667,000	37,289.0
PERRY	29,900	34.8	1,042,000	5,783.0	17,500	37.0	647,000	4,225.0
PETTIS	62,400	39.0	2,432,000	13,084.0	58,500	34.9	2,044,000	13,000.0
PHELPS	*				*			
PIKE	54,100	39.1	2,114,000	11,606.0	41,800	39.4	1,645,000	10,676.0
PLATTE	46,200	35.2	1,624,000	8,737.0	28,900	38.0	1,097,000	6,988.0
POLK	800	39.1	31,300	168.3	650	25.1	16,300	103.6
PULASKI	*				*			
PUTNAM	12,100	40.0	484,000	2,594.0	9,900	21.9	217,000	1,376.0
RALLS	63,100	38.1	2,402,000	13,187.0	61,100	38.8	2,368,000	15,368.0
RANDOLPH	34,300	34.7	1,189,000	6,373.0	28,600	35.6	1,019,000	6,460.0
RAY	76,500	40.1	3,066,000	16,495.0	34,600	32.5	1,125,000	7,166.0
REYNOLDS	*				*			
RIPLEY	10,300	34.1	351,000	1,899.0	10,500	27.6	290,000	1,859.0
ST CHARLES	58,000	41.3	2,395,000	13,292.0	13,200	39.8	526,000	3,435.0
ST CLAIR	19,700	36.6	722,000	3,928.0	16,400	30.5	501,000	3,196.0
STE GENEVIEVE	12,900	35.3	456,000	2,531.0	5,100	38.6	197,000	1,286.0
ST FRANCOIS	1,200	35.8	43,000	238.7	700	35.1	24,600	160.7
ST LOUIS	10,600	34.1	361,000	2,004.0	3,500	37.4	131,000	855.5
SALINE	128,700	44.7	5,753,000	30,951.0	98,700	39.7	3,914,000	24,893.0
SCHUYLER	11,600	36.0	418,000	2,240.0	11,800	26.9	317,000	2,010.0
SCOTLAND	41,400	41.4	1,713,000	9,404.0	40,400	33.2	1,343,000	8,716.0
SCOTT	89,200	35.3	3,145,000	17,549.0	88,300	31.3	2,766,000	18,200.0
SHANNON	*				*			
SHELBY	77,100	37.0	2,850,000	15,647.0	66,800	38.5	2,575,000	16,712.0
STODDARD	145,100	34.8	5,051,000	28,185.0	149,100	32.7	4,880,000	32,110.0
STONE	*				*			
SULLIVAN	22,700	35.2	798,000	4,[illegible]7.0	20,500	25.1	515,000	3,265.0
TANEY	*				*			
TEXAS	*				*			
VERNON	56,900	32.0	1,823,000	9,917.0	52,900	25.2	1,333,000	8,505.0
WARREN	22,500	40.0	900,000	4,995.0	12,400	36.9	457,000	2,984.0
WASHINGTON	*				*			
WAYNE	4,100	32.4	133,000	719.1	4,000	33.3	133,000	852.0
WEBSTER	*				*			
WORTH	18,500	38.1	704,000	3,788.0	16,000	26.8	429,000	2,733.0
WRIGHT	*				*			
ALL OTHER	2,600	33.5	87,000	466.8	2,450	29.6	72,500	460.5
DISTRICTS								
NORTHWEST	872,700	39.0	34,057,000	183,229.0	662,900	30.3	20,082,000	127,922.0
NORTH CENTRAL	622,000	37.3	23,195,000	124,325.0	425,400	29.6	12,594,000	79,846.0
NORTHEAST	649,200	37.8	24,566,000	134,868.0	564,100	38.1	21,496,000	139,509.0
WEST CENTRAL	419,700	39.6	16,628,000	90,456.0	377,900	31.2	11,803,000	75,303.0
CENTRAL	406,000	40.3	16,371,000	88,076.0	301,700	37.2	11,224,000	71,385.0
EAST CENTRAL	255,300	37.9	9,671,000	53,674.0	130,800	38.5	5,038,000	32,898.0
SOUTHWEST	106,100	30.6	3,246,000	17,301.0	116,700	25.3	2,948,000	18,572.0
SOUTH CENTRAL	28,700	34.6	992,000	5,367.0	27,900	30.9	862,000	5,525.0
SOUTHEAST	890,300	36.8	32,774,000	182,879.0	942,600	33.0	31,103,000	204,658.0
STATE	**4,250,000**	**38.0**	**161,500,000**	**880,175.0**	**3,550,000**	**33.0**	**117,150,000**	**755,618.0**

* Counties with less than 500 planted acres included in ALL OTHER.

CORN:

Acreage, Yield, Production and Value, By Counties, Missouri, 1992 – 93

County	1992 Harvested	1992 Yield per Acre	1992 Production	1992 Total Value	1993 Harvested	1993 Yield per Acre	1993 Production	1993 Total Value
	– acres –	– bushels –		– thous dol –	– acres –	– bushels –		– thous dol –
ADAIR	16,000	113.6	1,818,000	3,681.0	12,800	63.4	811,000	2,036.0
ANDREW	38,800	123.5	4,791,000	9,774.0	36,400	73.5	2,674,000	6,792.0
ATCHISON	119,800	150.6	18,038,000	36,798.0	101,500	81.2	8,246,000	20,945.0
AUDRAIN	42,000	128.0	5,375,000	11,449.0	40,400	108.0	4,365,000	11,349.0
BARRY	400	122.8	49,100	111.5	550	84.2	46,300	127.8
BARTON	10,700	142.6	1,526,000	3,464.0	8,900	94.2	838,000	2,313.0
BATES	33,800	129.5	4,376,000	9,190.0	22,100	67.4	1,489,000	3,856.0
BENTON	5,400	134.1	724,000	1,520.0	4,100	83.9	344,000	877.3
BOLLINGER	12,100	122.3	1,480,000	3,330.0	12,000	104.0	1,248,000	3,432.0
BOONE	12,700	117.1	1,487,000	3,123.0	9,800	97.0	951,000	2,425.0
BUCHANAN	34,000	136.9	4,656,000	9,498.0	24,400	92.8	2,264,000	5,751.0
BUTLER	10,400	136.9	1,424,000	3,147.0	7,800	119.2	930,000	2,509.0
CALDWELL	21,200	122.7	2,601,000	5,306.0	16,800	79.8	1,341,000	3,406.0
CALLAWAY	14,600	124.0	1,810,000	3,801.0	7,400	91.5	677,000	1,726.0
CAMDEN	*				*			
CAPE GIRARDEAU	34,200	132.0	4,513,000	9,974.0	33,300	107.3	3,574,000	9,641.0
CARROLL	56,200	141.9	7,975,000	16,147.0	30,400	84.2	2,559,000	6,423.0
CARTER	*				*			
CASS	21,900	133.9	2,933,000	6,159.0	17,100	57.9	990,000	2,564.0
CEDAR	500	116.0	58,000	122.0	400	80.0	32,000	83.1
CHARITON	58,300	139.7	8,145,000	16,491.0	43,700	84.6	3,696,000	9,277.0
CHRISTIAN	600	124.0	74,400	168.9	500	95.0	47,500	131.2
CLARK	48,700	140.6	6,848,000	14,586.0	32,200	98.2	3,163,000	8,224.0
CLAY	7,500	130.0	975,000	1,969.0	5,200	75.6	393,000	998.0
CLINTON	22,800	131.4	2,995,000	6,110.0	20,800	66.3	1,378,000	3,500.0
COLE	7,100	133.4	947,000	1,989.0	1,800	64.4	116,000	295.8
COOPER	38,200	132.6	5,067,000	10,641.0	29,600	94.3	2,791,000	7,117.0
CRAWFORD	700	81.4	57,000	124.3	500	66.0	33,000	87.1
DADE	2,500	126.4	316,000	717.3	1,700	93.5	159,000	438.9
DALLAS	*				*			
DAVIESS	26,500	117.7	3,119,000	6,363.0	17,700	69.5	1,230,000	3,124.0
DEKALB	21,900	116.2	2,545,000	5,192.0	15,600	68.9	1,075,000	2,730.0
DENT	*				*			
DOUGLAS	*				*			
DUNKLIN	11,500	156.2	1,796,000	3,969.0	9,900	115.7	1,145,000	3,089.0
FRANKLIN	17,700	120.7	2,136,000	4,656.0	9,000	78.2	704,000	1,859.0
GASCONADE	7,200	117.1	843,000	1,838.0	4,000	64.3	257,000	678.5
GENTRY	29,100	116.5	3,391,000	6,918.0	19,800	64.5	1,278,000	3,246.0
GREENE	500	114.6	57,300	130.1	850	82.8	70,400	194.3
GRUNDY	13,000	118.9	1,546,000	3,130.0	14,900	67.9	1,012,000	2,540.0
HARRISON	40,000	129.6	5,182,000	10,571.0	32,200	59.9	1,929,000	4,900.0
HENRY	14,500	117.8	1,708,000	3,587.0	10,600	64.7	686,000	1,777.0
HICKORY	550	113.5	62,400	131.0	300	82.3	24,700	63.0
HOLT	88,600	128.4	11,373,000	23,201.0	64,700	77.4	5,008,000	12,720.0
HOWARD	30,100	124.6	3,750,000	7,875.0	19,800	89.5	1,773,000	4,521.0
HOWELL	*				*			
IRON	*				*			
JACKSON	11,600	130.9	1,518,000	3,188.0	8,300	69.8	579,000	1,500.0
JASPER	2,800	132.5	371,000	842.3	3,100	110.3	342,000	943.9
JEFFERSON	2,700	105.2	284,000	619.0	2,400	94.6	227,000	599.3
JOHNSON	27,800	130.6	3,632,000	7,627.0	23,200	61.6	1,429,000	3,701.0
KNOX	28,300	111.0	3,142,000	6,692.0	22,500	86.8	1,953,000	5,078.0
LACLEDE	900	127.8	115,000	241.5	600	77.7	46,600	118.8
LAFAYETTE	77,600	144.5	11,213,000	23,547.0	69,800	97.2	6,787,000	17,578.0
LAWRENCE	1,500	114.0	171,000	388.2	1,800	73.3	132,000	364.3
LEWIS	42,500	129.1	5,485,000	11,683.0	32,000	104.7	3,351,000	8,712.0
LINCOLN	46,400	127.6	5,919,000	12,903.0	31,400	87.0	2,732,000	7,212.0
LINN	21,600	122.0	2,635,000	5,335.0	16,400	62.9	1,032,000	2,590.0
LIVINGSTON	17,600	129.5	2,280,000	4,616.0	12,000	68.4	821,000	2,061.0
MCDONALD	*				*			
MACON	22,800	126.5	2,884,000	5,839.0	18,800	75.9	1,427,000	3,582.0
MADISON	*				*			
MARIES	1,700	111.2	189,000	396.9	1,100	70.2	77,200	196.9
MARION	38,400	145.5	5,587,000	11,900.0	25,400	103.6	2,632,000	6,843.0
MERCER	20,000	122.7	2,454,000	4,969.0	12,600	58.7	739,000	1,855.0

CORN:

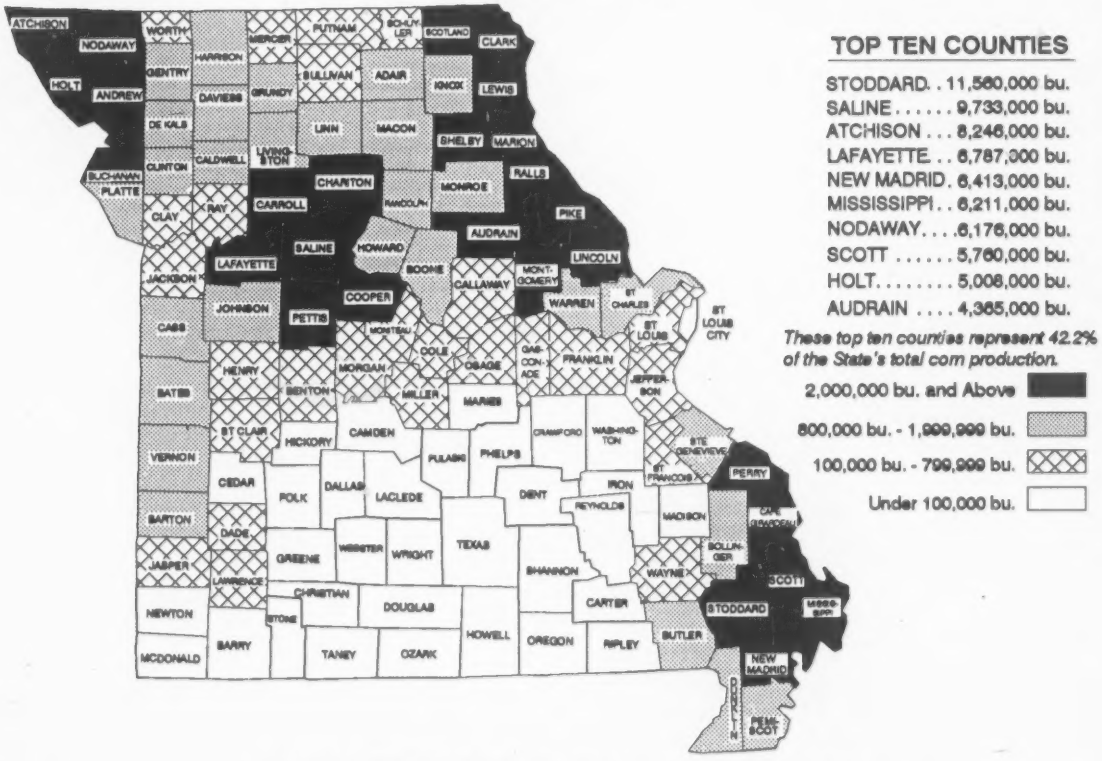
Acreage, Yield, Production and Value, By Counties, Missouri, 1992 – 93

County	1992 Harvested	1992 Yield per Acre	1992 Production	1992 Total Value	1993 Harvested	1993 Yield per Acre	1993 Production	1993 Total Value
	– acres –	– bushels –		– thous dol –	– acres –	– bushels –		– thous dol –
MILLER	2,800	143.6	402,000	844.3	2,200	81.8	180,000	459.0
MISSISSIPPI	66,000	160.2	10,574,000	23,369.0	49,200	126.2	6,211,000	16,755.0
MONITEAU	12,200	126.8	1,547,000	3,249.0	9,600	73.1	702,000	1,790.0
MONROE	19,000	121.0	2,299,000	4,897.0	17,900	103.8	1,858,000	4,831.0
MONTGOMERY	37,500	145.0	5,437,000	11,853.0	32,000	84.9	2,716,000	7,170.0
MORGAN	5,800	136.4	791,000	1,661.0	3,800	73.7	280,000	714.0
NEW MADRID	68,600	155.7	10,678,000	23,598.0	52,300	122.6	6,413,000	17,300.0
NEWTON	550	130.5	71,800	163.0	700	89.7	62,800	173.3
NODAWAY	107,900	129.2	13,936,000	28,429.0	96,900	63.7	6,176,000	15,687.0
OREGON	*				*			
OSAGE	8,100	142.3	1,153,000	2,421.0	3,300	77.0	254,000	647.7
OZARK	*				*			
PEMISCOT	23,400	149.5	3,498,000	7,731.0	12,400	122.0	1,513,000	4,081.0
PERRY	27,400	124.8	3,419,000	7,453.0	22,700	117.9	2,676,000	7,065.0
PETTIS	29,900	133.4	3,990,000	8,379.0	28,300	81.9	2,319,000	5,914.0
PHELPS	800	104.1	83,300	174.9	400	87.5	35,000	89.3
PIKE	44,500	131.3	5,841,000	12,441.0	38,100	99.3	3,785,000	9,841.0
PLATTE	25,400	125.5	3,187,000	6,501.0	19,200	88.0	1,690,000	4,293.0
POLK	1,200	121.7	146,000	306.6	850	82.6	70,200	179.0
PULASKI	900	140.0	126,000	264.6	650	80.8	52,500	133.9
PUTNAM	14,600	118.4	1,729,000	3,501.0	8,100	53.6	434,000	1,089.0
RALLS	24,500	127.8	3,130,000	6,667.0	21,700	103.8	2,253,000	5,858.0
RANDOLPH	15,600	114.6	1,787,000	3,618.0	13,500	99.8	1,347,000	3,381.0
RAY	28,000	134.8	3,775,000	7,701.0	10,100	63.8	644,000	1,636.0
REYNOLDS	*				*			
RIPLEY	600	121.8	73,100	164.5	*			
ST CHARLES	47,500	144.9	6,883,000	15,005.0	16,300	103.3	1,684,000	4,446.0
ST CLAIR	6,400	134.5	861,000	1,808.0	3,200	58.1	186,000	481.9
STE GENEVIEVE	14,100	133.5	1,883,000	4,105.0	7,000	115.7	810,000	2,138.0
ST FRANCOIS	2,300	103.0	237,000	516.7	1,800	107.2	193,000	509.5
ST LOUIS	5,600	138.8	777,000	1,694.0	2,200	91.4	201,000	530.6
SALINE	111,000	143.0	15,873,000	33,333.0	91,100	106.8	9,733,000	24,819.0
SCHUYLER	10,400	110.8	1,152,000	2,332.0	7,700	62.5	481,000	1,207.0
SCOTLAND	38,200	130.4	4,983,000	10,614.0	29,600	77.8	2,303,000	5,988.0
SCOTT	53,100	151.7	8,054,000	17,799.0	47,400	121.5	5,760,000	15,538.0
SHANNON	*				*			
SHELBY	28,300	125.5	3,551,000	7,564.0	26,700	104.1	2,780,000	7,228.0
STODDARD	108,000	153.5	16,574,000	36,628.0	97,500	118.6	11,560,000	31,184.0
STONE	*				*			
SULLIVAN	12,500	111.1	1,389,000	2,812.0	10,000	66.0	660,000	1,657.0
TANEY	*				*			
TEXAS	800	98.6	78,900	177.6	500	93.8	46,900	128.9
VERNON	19,000	128.3	2,437,000	5,118.0	12,900	73.6	949,000	2,458.0
WARREN	23,100	127.9	2,954,000	6,440.0	13,600	70.4	958,000	2,529.0
WASHINGTON	*				*			
WAYNE	1,600	110.0	176,000	396.1	1,900	96.3	183,000	503.2
WEBSTER	500	114.0	57,000	128.3	400	60.5	24,200	66.5
WORTH	14,600	125.5	1,832,000	3,737.0	12,000	47.4	569,000	1,445.0
WRIGHT	*				*			
ALL OTHER	1,300	99.0	128,700	286.4	1,400	66.2	92,700	252.0
DISTRICTS								
NORTHWEST	626,100	131.6	82,396,000	168,068.0	493,300	72.8	35,895,000	91,173.0
NORTH CENTRAL	278,600	128.5	35,794,000	72,471.0	200,900	74.8	15,019,000	37,698.0
NORTHEAST	354,400	130.5	46,241,000	98,493.0	286,500	99.3	28,443,000	73,952.0
WEST CENTRAL	213,100	134.8	28,736,000	60,346.0	167,600	78.3	13,127,000	33,999.0
CENTRAL	284,200	134.7	38,289,000	80,407.0	214,900	95.1	20,442,000	52,127.0
EAST CENTRAL	232,200	132.8	30,829,000	67,207.0	142,900	92.3	13,191,000	34,824.0
SOUTHWEST	19,900	134.5	2,677,000	6,077.0	18,400	93.6	1,722,000	4,753.0
SOUTH CENTRAL	16,300	118.2	1,927,000	4,336.0	15,700	99.0	1,555,000	4,276.0
SOUTHEAST	375,200	152.2	57,111,000	126,215.0	309,800	119.8	37,106,000	100,098.0
STATE	**2,400,000**	**135.0**	**324,000,000**	**683,640.0**	**1,850,000**	**90.0**	**166,500,000**	**432,900.0**

* Counties with less than 500 planted acres included in ALL OTHER.

1993 CORN PRODUCTION,

By Counties



TOP TEN COUNTIES

STODDARD. . 11,560,000 bu.
SALINE . . . . . 9,733,000 bu.
ATCHISON . . . 8,246,000 bu.
LAFAYETTE. . . 6,787,000 bu.
NEW MADRID. 6,413,000 bu.
MISSISSIPPI. . 6,211,000 bu.
NODAWAY. . . . 6,176,000 bu.
SCOTT . . . . . 5,760,000 bu.
HOLT. . . . . 5,008,000 bu.
AUDRAIN . . . . 4,365,000 bu.

These top ten counties represent 42.2% of the State's total corn production.

2,000,000 bu. and Above
800,000 bu. - 1,999,999 bu.
100,000 bu. - 799,999 bu.
Under 100,000 bu.

CORN FOR SILAGE: By Districts, Missouri, 1992-93

District	1992			1993		
	Harvested Acres	Yield	Production	Harvested Acres	Yield	Production
	-thous-	*-tons-*	*-thous tons-*	*-thous-*	*-tons-*	*-thous tons-*
Northwest	13.9	12.5	174	13.4	6.6	89
North Central	9.9	13.7	136	11.4	5.7	65
Northeast	13.5	12.2	165	14.0	9.4	132
West Central	9.5	16.0	152	10.7	9.0	96
Central	11.6	15.8	183	11.4	9.7	111
East Central	9.2	14.5	133	8.8	9.1	80
Southwest	5.9	14.4	85	4.5	10.2	46
South Central	3.5	12.6	44	2.9	10.0	29
Southeast	3.0	16.0	48	2.9	11.0	32
State	**80.0**	**14.0**	**1,120**	**80.0**	**8.5**	**680**

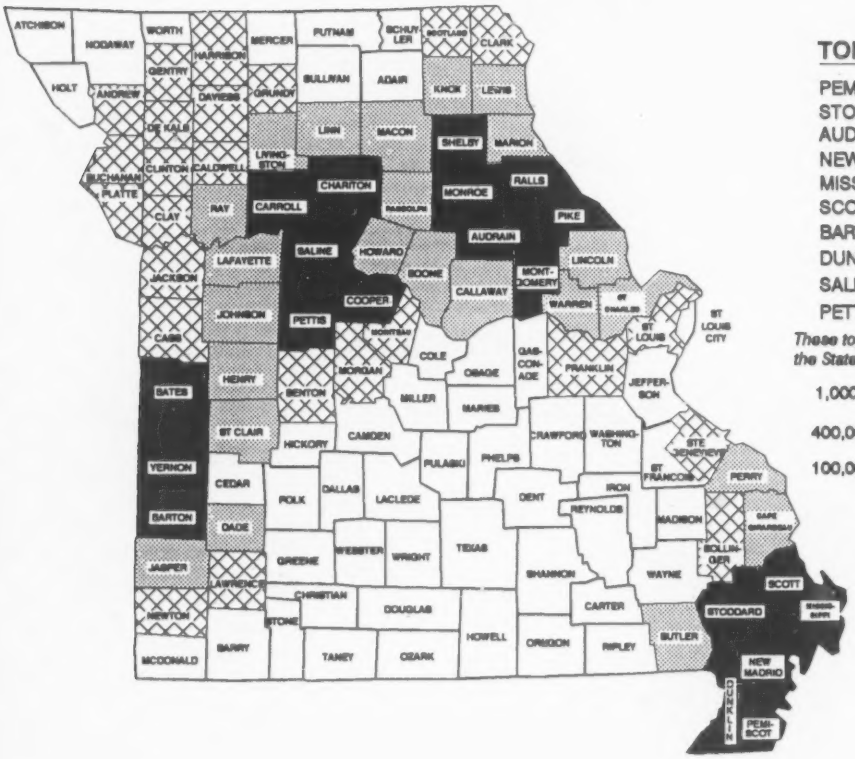
CORN FOR GRAIN: Distribution Percentage by Row Width, Missouri, 1989-93 1/

Year	Number of Samples	Row Width (inches)							Average Row Width
		30.5 & less	30.6-32.5	32.6-34.5	34.6-36.5	36.6-38.5	38.6-40.5	40.6 & Greater	
		-percent of samples-							*-inches-*
1989	113	44.4	9.7	4.4	11.5	16.8	9.7	3.5	33.5
1990	116	40.4	16.4	3.5	7.8	24.1	6.9	0.9	33.3
1991	109	40.4	22.9	2.8	12.8	16.5	3.7	0.9	32.7
1992	123	35.0	28.5	0.8	13.8	15.4	6.5	0.0	32.9
1993	**88**	**35.2**	**31.8**	**2.3**	**9.1**	**14.8**	**5.7**	**1.1**	**32.8**

1/ Based on Corn Objective Yield Survey. Data reflects trends in cropping practices, but are not official Agricultural Board estimates.

1993 WHEAT PRODUCTION,

By Counties



TOP TEN COUNTIES

PEMISCOT. . . . 3,331,000 bu.
STODDARD. . . 2,394,000 bu.
AUDRAIN. . . . . 2,380,000 bu.
NEW MADRID . 2,258,000 bu.
MISSISSIPPI. . . 2,046,000 bu.
SCOTT. . . . . 1,709,000 bu.
BARTON. . . . . 1,643,000 bu.
DUNKLIN. . . . . 1,493,000 bu.
SALINE. . . . . 1,451,000 bu.
PETTIS. . . . . 1,365,000 bu.

These top ten counties represent 37.7% of the State's total wheat production.

1,000,000 bu. and Above
400,000 bu. - 999,999 bu.
100,000 bu. - 399,999 bu.
Under 100,000 bu.

WINTER WHEAT PRODUCTION

1970 - 1993

WHEAT:

Acreage, Yield, Production and Value, By County, Missouri, 1992 – 93

County	1992 Harvested	1992 Yield per Acre	1992 Production	1992 Total Value	1993 Harvested	1993 Yield per Acre	1993 Production	1993 Total Value
	– acres –	– bushels –		– thous dol –	– acres –	– bushels –		– thous dol –
ADAIR	2,600	36.2	94,200	290.1	3,800	25.9	98,300	250.7
ANDREW	4,800	37.9	182,000	558.8	4,200	27.4	115,000	295.5
ATCHISON	2,100	41.0	86,200	264.7	600	28.5	17,100	43.9
AUDRAIN	48,000	49.3	2,367,000	7,598.0	59,200	40.2	2,380,000	6,331.0
BARRY	250	34.4	8,600	26.2	450	30.7	13,800	36.2
BARTON	52,700	51.4	2,709,000	8,279.0	43,700	37.6	1,643,000	4,305.0
BATES	34,000	51.3	1,744,000	5,441.0	34,800	34.2	1,190,000	3,106.0
BENTON	7,400	47.4	351,000	1,092.0	6,900	37.0	255,000	652.8
BOLLINGER	3,500	43.4	152,000	483.3	3,500	34.0	119,000	320.1
BOONE	15,700	42.9	674,000	2,096.0	18,000	40.2	724,000	1,853.0
BUCHANAN	10,700	39.0	417,000	1,280.0	7,000	31.3	219,000	562.8
BUTLER	12,600	57.4	723,000	2,393.0	14,200	35.7	507,000	1,394.0
CALDWELL	11,300	45.0	508,000	1,559.0	8,700	25.3	220,000	565.4
CALLAWAY	21,000	40.7	855,000	2,659.0	20,800	41.7	867,000	2,220.0
CAMDEN	*				*			
CAPE GIRARDEAU	16,700	47.8	798,000	2,641.0	17,300	39.2	678,000	1,865.0
CARROLL	43,800	49.1	2,151,000	6,625.0	32,700	33.3	1,089,000	2,777.0
CARTER	*				*			
CASS	12,200	42.7	521,000	1,626.0	10,700	33.1	354,000	923.9
CEDAR	2,200	45.9	101,000	315.0	2,400	37.9	91,000	237.4
CHARITON	35,400	51.9	1,837,000	5,658.0	32,500	38.0	1,235,000	3,149.0
CHRISTIAN	250	42.0	10,500	32.0	200	35.0	7,000	18.4
CLARK	6,700	43.9	294,000	943.8	7,600	31.8	242,000	644.0
CLAY	4,900	40.8	200,000	614.0	3,400	30.0	102,000	282.1
CLINTON	5,300	45.1	239,000	733.8	5,300	24.2	128,000	328.9
COLE	3,900	36.9	144,000	447.9	1,800	33.8	60,800	155.7
COOPER	30,200	47.2	1,426,000	4,435.0	28,500	42.0	1,197,000	3,064.0
CRAWFORD	250	36.8	9,200	29.7	300	33.3	10,000	26.7
DADE	22,200	41.0	911,000	2,784.0	19,300	38.9	751,000	1,967.0
DALLAS	*				*			
DAVIESS	11,800	40.1	473,000	1,452.0	11,500	23.9	275,000	706.7
DEKALB	5,200	39.8	207,000	635.5	5,200	28.3	147,000	377.8
DENT	*				*			
DOUGLAS	*				*			
DUNKLIN	25,000	45.7	1,143,000	3,783.0	37,900	39.4	1,493,000	4,106.0
FRANKLIN	9,100	40.3	367,000	1,182.0	8,400	36.8	309,000	824.9
GASCONADE	3,600	40.0	144,000	463.8	2,100	30.3	63,600	169.8
GENTRY	5,600	40.2	225,000	690.8	4,100	28.3	116,000	298.1
GREENE	1,200	40.3	48,400	147.8	600	40.0	24,000	62.9
GRUNDY	9,000	43.9	395,000	1,217.0	10,500	28.8	302,000	770.1
HARRISON	6,400	40.8	261,000	801.3	7,300	29.5	215,000	552.5
HENRY	17,800	50.1	892,000	2,783.0	18,700	36.6	684,000	1,785.0
HICKORY	1,300	37.9	49,300	153.3	850	31.5	26,800	68.6
HOLT	3,300	37.3	123,000	377.6	1,100	30.9	34,000	87.4
HOWARD	14,900	42.6	634,000	1,972.0	12,600	38.1	480,000	1,229.0
HOWELL	150	35.3	5,300	16.8	150	35.3	5,300	14.2
IRON	*				*			
JACKSON	14,300	45.9	657,000	2,050.0	8,900	30.9	275,000	717.7
JASPER	31,300	45.6	1,428,000	4,364.0	25,900	36.1	935,000	2,450.0
JEFFERSON	1,700	44.0	74,800	240.9	2,000	35.4	70,800	189.0
JOHNSON	14,500	47.9	695,000	2,169.0	13,200	36.1	477,000	1,245.0
KNOX	7,600	42.4	322,000	1,034.0	14,000	34.0	476,000	1,266.0
LACLEDE	200	41.0	8,200	25.5	*			
LAFAYETTE	26,300	51.1	1,345,000	4,196.0	25,700	38.6	992,000	2,589.0
LAWRENCE	8,500	38.5	327,000	999.2	8,100	37.9	307,000	804.4
LEWIS	16,200	49.2	797,000	2,558.0	16,600	34.7	576,000	1,532.0
LINCOLN	25,900	46.9	1,215,000	3,912.0	26,700	36.5	975,000	2,603.0
LINN	12,100	48.2	583,000	1,795.0	12,400	34.9	433,000	1,104.0
LIVINGSTON	21,000	50.9	1,069,000	3,292.0	19,900	27.0	537,000	1,369.0
MCDONALD	500	35.0	17,500	53.5	550	33.1	18,200	47.7
MACON	10,700	37.0	396,000	1,220.0	13,300	33.0	439,000	1,120.0
MADISON	*				*			
MARIES	850	34.0	28,900	89.9	850	34.1	29,000	74.3
MARION	21,800	51.1	1,114,000	3,576.0	23,900	39.9	954,000	2,538.0
MERCER	1,600	40.0	64,000	197.1	1,900	27.1	51,500	131.3

WHEAT:

Acreage, Yield, Production and Value, By Counties, Missouri, 1992 – 93

County	1992 Harvested	1992 Yield per Acre	1992 Production	1992 Total Value	1993 Harvested	1993 Yield per Acre	1993 Production	1993 Total Value
	– acres –		– bushels –	– thous dol –	– acres –		– bushels –	– thous dol –
MILLER	600	32.7	19,600	61.0	450	40.0	18,000	46.1
MISSISSIPPI	37,800	57.6	2,177,000	7,206.0	46,400	44.1	2,046,000	5,626.0
MONITEAU	10,700	41.4	443,000	1,378.0	8,900	41.7	371,000	949.8
MONROE	28,100	45.1	1,268,000	4,070.0	34,400	39.0	1,342,000	3,570.0
MONTGOMERY	24,200	46.4	1,123,000	3,616.0	31,300	39.6	1,239,000	3,308.0
MORGAN	3,500	40.0	140,000	435.4	3,600	36.4	131,000	335.4
NEW MADRID	35,700	54.3	1,938,000	6,415.0	50,300	44.9	2,258,000	6,209.0
NEWTON	4,700	35.5	167,000	510.3	5,700	27.5	157,000	411.4
NODAWAY	4,000	41.3	165,000	506.6	3,900	25.1	97,700	251.0
OREGON	*				*			
OSAGE	2,400	37.2	89,200	277.4	850	37.9	32,200	82.5
OZARK	*				*			
PEMISCOT	47,300	49.8	2,356,000	7,798.0	76,400	43.6	3,331,000	9,160.0
PERRY	17,600	49.5	871,000	2,804.0	16,900	40.4	683,000	1,823.0
PETTIS	31,800	50.6	1,609,000	5,004.0	32,900	41.5	1,365,000	3,494.0
PHELPS	*				*			
PIKE	27,500	51.0	1,403,000	4,504.0	30,900	36.3	1,122,000	2,984.0
PLATTE	12,200	41.8	510,000	1,566.0	6,800	32.4	220,000	565.4
POLK	750	40.5	30,400	94.6	1,000	43.1	43,100	110.4
PULASKI	*				*			
PUTNAM	500	39.4	19,700	60.7	300	30.0	9,000	22.9
RALLS	27,600	51.2	1,413,000	4,536.0	34,100	38.7	1,320,000	3,511.0
RANDOLPH	14,900	40.8	608,000	1,873.0	14,500	33.7	489,000	1,247.0
RAY	22,500	45.8	1,031,000	3,165.0	12,200	33.0	403,000	1,036.0
REYNOLDS	*				*			
RIPLEY	1,500	47.0	70,500	224.1	1,500	34.8	52,200	140.4
ST CHARLES	20,500	45.5	933,000	3,004.0	18,900	43.4	820,000	2,189.0
ST CLAIR	16,200	42.8	694,000	2,165.0	14,100	33.3	470,000	1,227.0
STE GENEVIEVE	6,400	48.1	308,000	991.8	6,300	41.9	264,000	704.7
ST FRANCOIS	650	36.9	24,000	77.4	300	38.7	11,600	31.0
ST LOUIS	5,000	46.6	233,000	750.4	5,300	40.0	212,000	565.9
SALINE	32,500	52.7	1,713,000	5,327.0	32,100	45.2	1,451,000	3,715.0
SCHUYLER	1,500	41.3	62,000	191.0	700	24.6	17,200	43.9
SCOTLAND	4,700	44.7	210,000	674.2	4,200	28.8	121,000	322.0
SCOTT	40,800	55.0	2,244,000	7,428.0	46,200	37.0	1,709,000	4,700.0
SHANNON	*				*			
SHELBY	22,500	41.9	943,000	3,027.0	28,400	36.5	1,037,000	2,758.0
STODDARD	49,000	58.4	2,860,000	9,467.0	55,500	43.1	2,394,000	6,584.0
STONE	*				*			
SULLIVAN	1,700	43.0	73,100	225.1	2,400	29.6	71,000	181.1
TANEY	*				*			
TEXAS	*				*			
VERNON	39,700	47.7	1,894,000	5,909.0	34,900	37.5	1,309,000	3,417.0
WARREN	10,500	41.9	440,000	1,417.0	12,400	38.5	477,000	1,273.0
WASHINGTON	*				*			
WAYNE	800	48.5	38,800	123.4	800	32.0	25,600	68.9
WEBSTER	*				*			
WORTH	600	34.7	20,800	63.9	300	24.0	7,200	18.5
WRIGHT	150	32.7	4,900	15.5	150	35.3	5,300	14.2
ALL OTHER	900	72.0	31,900	100.9	1,000	72.1	35,700	94.6
DISTRICTS								
NORTHWEST	110,700	42.0	4,648,000	14,269.0	81,600	28.4	2,316,000	5,952.0
NORTH CENTRAL	154,800	47.5	7,352,000	22,644.0	144,900	32.9	4,771,000	12,166.0
NORTHEAST	210,700	48.1	10,131,000	32,521.0	253,300	37.8	9,570,000	25,456.0
WEST CENTRAL	177,200	48.2	8,543,000	26,654.0	163,400	35.8	5,842,000	15,248.0
CENTRAL	177,900	46.2	8,222,000	25,571.0	170,400	41.4	7,062,000	18,079.0
EAST CENTRAL	125,400	45.8	5,742,000	18,489.0	130,900	39.2	5,135,000	13,708.0
SOUTHWEST	121,600	46.3	5,627,000	17,196.0	104,500	36.9	3,856,000	10,103.0
SOUTH CENTRAL	6,800	43.5	296,000	941.0	6,800	34.1	232,000	624.0
SOUTHEAST	264,900	53.8	14,239,000	47,131.0	344,200	41.9	14,416,000	39,644.0
STATE	**1,350,000**	**48.0**	**64,800,000**	**205,416.0**	**1,400,000**	**38.0**	**53,200,000**	**140,980.0**

* Counties with less than 500 planted acres included in ALL OTHER.

SORGHUM:

Acreage, Yield, Production and Value, By Counties, Missouri, 1992 – 93

County	1992 Harvested	1992 Yield per Acre	1992 Production	1992 Total Value	1993 Harvested	1993 Yield per Acre	1993 Production	1993 Total Value
	– acres –		– bushels –	– thous dol –	– acres –		– bushels –	– thous dol –
ADAIR	*				*			
ANDREW	4,500	86.9	391,000	676.4	1,800	66.7	120,000	259.2
ATCHISON	*				*			
AUDRAIN	41,700	116.6	4,864,000	9,144.0	37,900	87.4	3,312,000	7,651.0
BARRY	*				*			
BARTON	29,800	96.9	2,888,000	5,314.0	34,200	79.6	2,724,000	6,211.0
BATES	16,100	104.6	1,684,000	2,998.0	15,600	61.0	951,000	2,092.0
BENTON	6,600	106.5	703,000	1,279.0	6,000	61.8	371,000	827.4
BOLLINGER	7,900	87.0	687,000	1,298.0	8,400	76.0	638,000	1,474.0
BOONE	3,100	107.7	334,000	607.9	3,800	90.3	343,000	764.9
BUCHANAN	3,300	93.0	307,000	531.1	1,600	68.1	109,000	235.4
BUTLER	42,000	87.5	3,674,000	7,171.0	39,800	67.8	2,697,000	6,490.0
CALDWELL	4,200	89.5	376,000	650.4	2,200	35.5	78,200	168.9
CALLAWAY	11,500	106.1	1,220,000	2,220.0	10,300	80.8	832,000	1,855.0
CAMDEN	*				*			
CAPE GIRARDEAU	8,200	99.5	816,000	1,593.0	6,200	79.2	491,000	1,182.0
CARROLL	4,200	94.0	395,000	691.3	2,800	71.1	199,000	427.8
CARTER	*				*			
CASS	9,800	103.1	1,010,000	1,798.0	7,300	64.5	471,000	1,036.0
CEDAR	1,000	71.2	71,200	126.7	400	47.5	19,000	41.9
CHARITON	2,400	99.6	239,000	418.3	1,600	70.6	113,000	242.9
CHRISTIAN	*				*			
CLARK	*				*			
CLAY	2,100	87.6	184,000	318.3	600	37.2	22,300	48.2
CLINTON	1,400	86.4	121,000	209.3	1,500	40.7	61,100	132.0
COLE	1,300	91.5	119,000	216.6	700	68.9	48,200	107.5
COOPER	4,600	93.5	430,000	782.6	2,900	76.6	222,000	495.1
CRAWFORD	550	75.5	41,500	79.3	*			
DADE	7,400	88.5	655,000	1,205.0	6,300	66.0	416,000	948.4
DALLAS	*				*			
DAVIESS	7,000	88.4	619,000	1,071.0	5,200	53.8	280,000	604.8
DEKALB	2,400	91.7	220,000	380.5	2,700	53.3	144,000	311.0
DENT	*				*			
DOUGLAS	*				*			
DUNKLIN	29,800	87.5	2,607,000	5,089.0	27,300	75.2	2,052,000	4,938.0
FRANKLIN	2,600	86.5	225,000	429.8	1,300	54.2	70,500	164.3
GASCONADE	2,000	91.5	183,000	349.5	1,700	72.4	123,000	286.6
GENTRY	3,600	90.6	326,000	563.9	2,000	54.0	108,000	233.3
GREENE	*				*			
GRUNDY	9,700	95.1	922,000	1,613.0	6,500	45.7	297,000	638.5
HARRISON	2,200	85.5	188,000	325.2	1,500	43.2	64,800	140.0
HENRY	18,900	96.5	1,824,000	3,247.0	16,200	60.9	986,000	2,169.0
HICKORY	1,300	72.3	94,000	171.1	900	56.1	50,500	112.7
HOLT	800	85.5	68,400	118.3	900	76.6	68,900	148.8
HOWARD	700	94.0	65,800	119.8	700	69.4	48,600	108.4
HOWELL	*				*			
IRON	*				*			
JACKSON	2,300	92.6	213,000	379.1	1,200	59.2	71,000	156.2
JASPER	11,400	93.9	1,071,000	1,971.0	10,500	75.2	790,000	1,801.0
JEFFERSON	*				*			
JOHNSON	13,900	96.0	1,335,000	2,376.0	9,000	54.7	492,000	1,082.0
KNOX	2,500	83.6	209,000	393.0	1,100	66.5	73,200	169.0
LACLEDE	*				*			
LAFAYETTE	1,400	93.6	131,000	233.2	1,200	61.7	74,000	162.9
LAWRENCE	3,300	75.5	249,000	458.0	2,000	61.5	123,000	280.4
LEWIS	2,400	85.0	204,000	383.7	750	69.3	52,000	120.0
LINCOLN	2,900	102.4	297,000	567.3	3,100	75.8	235,000	547.6
LINN	4,400	76.1	335,000	586.3	3,000	57.3	172,000	369.7
LIVINGSTON	12,000	92.0	1,104,000	1,932.0	6,200	57.3	355,000	763.2
MCDONALD	*				*			
MACON	3,900	73.3	286,000	500.5	3,200	60.9	195,000	419.2
MADISON	*				*			
MARIES	*				*			
MARION	4,700	89.6	421,000	791.6	3,100	70.6	219,000	505.8
MERCER	*				*			

SORGHUM:

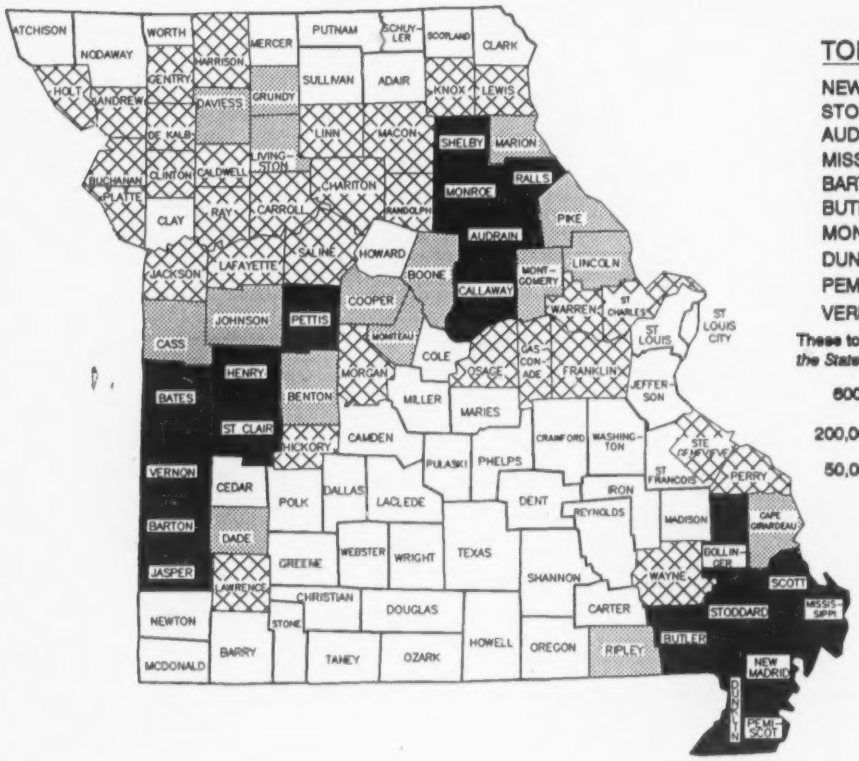
Acreage, Yield, Production and Value, By Counties, Missouri, 1992 – 93

County	1992 Harvested	1992 Yield per Acre	1992 Production	1992 Total Value	1993 Harvested	1993 Yield per Acre	1993 Production	1993 Total Value
	– acres –		– bushels –	– thous dol –	– acres –		– bushels –	– thous dol –
MILLER	*				*			
MISSISSIPPI	27,800	104.6	2,907,000	5,674.0	33,000	89.6	2,957,000	7,116.0
MONITEAU	3,800	92.6	352,000	640.6	3,400	67.6	230,000	512.9
MONROE	27,800	103.6	2,879,000	5,413.0	26,300	83.6	2,199,000	5,080.0
MONTGOMERY	6,800	107.6	732,000	1,398.0	3,900	75.4	294,000	685.0
MORGAN	2,300	100.9	232,000	422.2	1,400	81.4	114,000	254.3
NEW MADRID	62,100	100.5	6,244,000	12,198.0	64,500	73.6	4,744,000	11,416.0
NEWTON	1,600	71.3	114,000	208.7	1,000	45.1	45,100	102.8
NODAWAY	1,100	91.8	101,000	174.7	*			
OREGON	*				*			
OSAGE	2,000	94.0	188,000	342.3	1,400	76.4	107,000	238.6
OZARK	*				*			
PEMISCOT	30,800	89.5	2,756,000	5,380.0	27,200	72.6	1,976,000	4,755.0
PERRY	1,500	82.7	124,000	236.8	800	71.4	57,100	133.1
PETTIS	18,900	105.1	1,986,000	3,615.0	17,000	73.2	1,245,000	2,776.0
PHELPS	*				*			
PIKE	7,500	101.1	758,000	1,425.0	5,600	79.3	444,000	1,026.0
PLATTE	3,700	79.5	294,000	508.6	2,100	61.0	128,000	276.5
POLK	*				*			
PULASKI	*				*			
PUTNAM	*				*			
RALLS	14,500	105.6	1,531,000	2,878.0	12,300	80.9	995,000	2,298.0
RANDOLPH	2,100	100.0	210,000	367.5	1,300	72.6	94,400	203.0
RAY	3,700	87.6	324,000	560.5	2,900	51.0	148,000	319.7
REYNOLDS	*				*			
RIPLEY	5,900	88.8	524,000	990.4	5,600	52.3	293,000	676.8
ST CHARLES	2,000	99.5	199,000	380.0	1,400	65.2	91,300	212.8
ST CLAIR	11,300	96.5	1,091,000	1,942.0	10,900	60.0	654,000	1,439.0
STE GENEVIEVE	1,500	83.3	125,000	238.8	1,000	79.2	79,200	184.6
ST FRANCOIS	*				*			
ST LOUIS	*				*			
SALINE	2,700	93.0	251,000	456.6	2,600	71.2	185,000	412.6
SCHUYLER	*				*			
SCOTLAND	*				*			
SCOTT	17,200	97.6	1,678,000	3,275.0	18,500	78.7	1,456,000	3,504.0
SHANNON	*				*			
SHELBY	15,800	96.0	1,517,000	2,852.0	11,900	72.4	861,000	1,989.0
STODDARD	44,600	101.5	4,529,000	8,840.0	43,900	82.4	3,617,000	8,704.0
STONE	*				*			
SULLIVAN	1,100	88.0	96,800	169.4	600	56.3	33,800	72.7
TANEY	*				*			
TEXAS	*				*			
VERNON	28,400	96.0	2,727,000	4,854.0	27,300	65.8	1,797,000	3,954.0
WARREN	2,400	94.8	227,000	433.6	2,300	45.7	105,000	244.7
WASHINGTON	*				*			
WAYNE	2,100	70.5	148,000	279.7	2,100	61.9	130,000	300.2
WEBSTER	*				*			
WORTH	*				*			
WRIGHT	*				*			
ALL OTHER	7,250	81.1	588,300	1,077.4	4,650	55.4	257,800	579.7
DISTRICTS								
NORTHWEST	41,000	87.8	3,600,800	6,229.0	26,000	53.1	1,381,000	2,983.0
NORTH CENTRAL	40,900	90.0	3,679,600	6,439.0	25,700	57.7	1,482,000	3,186.0
NORTHEAST	118,500	105.6	12,512,000	23,523.0	99,100	82.4	8,164,000	18,859.0
WEST CENTRAL	103,100	97.8	10,086,200	17,954.0	89,100	61.9	5,515,000	12,133.0
CENTRAL	59,900	101.2	6,064,400	11,037.0	51,900	74.1	3,845,000	8,574.0
EAST CENTRAL	23,000	96.4	2,216,800	4,234.0	16,200	67.7	1,096,000	2,554.0
SOUTHWEST	54,100	92.9	5,025,600	9,247.0	54,800	75.7	4,147,000	9,455.0
SOUTH CENTRAL	17,000	84.9	1,443,600	2,728.0	16,800	65.5	1,100,000	2,541.0
SOUTHEAST	262,500	96.0	25,211,000	49,210.0	260,400	76.8	19,990,000	48,105.0
STATE	**720,000**	**97.0**	**69,840,000**	**130,601.0**	**640,000**	**73.0**	**46,720,000**	**108,390.0**

* Counties with less than 500 planted acres included in ALL OTHER.

1993 SORGHUM PRODUCTION,

By Counties



TOP TEN COUNTIES

NEW MADRID . 4,744,000 bu.
STODDARD . . . 3,617,000 bu.
AUDRAIN . . . . . 3,312,000 bu.
MISSISSIPPI . . 2,957,000 bu.
BARTON . . . . . 2,724,000 bu.
BUTLER. . . . . 2,697,000 bu.
MONROE . . . . .2,199,000 bu.
DUNKLIN . . . . . 2,052,000 bu.
PEMISCOT. . . . 1,976,000 bu.
VERNON . . . . . 1,797,000 bu.

These top ten counties represent 60.1% of *the State's total sorghum production.*

500,000 bu. and Above
200,000 bu. - 599,999 bu.
50,000 bu. - 199,999 bu.
Under 50,000 bu.

TOBACCO:

Acreage, Yield and Production by Counties, Missouri, 1992-1993

County	1992 Harvested	1992 Yield	1992 Production	1993 Harvested	1993 Yield	1993 Production
	-acres-	*-lbs.-*	*-lbs.-*	*-acres-*	*-lbs.-*	*-lbs.-*
Boone	55	2,150	118,300	40	1,785	71,400
Buchanan	275	2,000	550,200	490	1,885	923,000
Chariton	165	2,220	366,300	120	1,540	185,000
Clinton	55	2,240	123,100	25	1,705	42,600
Howard	305	2,335	712,200	240	1,590	381,500
Platte	765	1,665	1,272,000	1,820	1,675	3,053,000
Others	80	1,950	155,900	65	1,590	103,500
State	**1,700**	**1,940**	**3,298,000**	**2,800**	**1,700**	**4,760,000**

COTTON:

Acreage, Yield and Production by Counties, Missouri, 1992-1993

County	1992 Planted	1992 Harvested	1992 Yield	1992 Production	1993 Planted	1993 Harvested	1993 Yield	1993 Production
		-acres-	-lbs-	-480 lb bales-		-acres-	-lbs-	-480 lb bales-
Butler	1,000	950	783	1,550	1,000	850	452	800
Dunklin	134,900	133,200	792	219,700	136,200	132,800	558	154,300
Mississippi	4,800	4,650	697	6,750	3,300	3,100	503	3,250
New Madrid	89,000	86,200	788	141,500	92,700	89,700	587	109,700
Pemiscot	75,000	73,400	795	121,600	75,900	74,200	444	68,600
Scott	8,500	8,400	811	14,200	8,900	8,450	554	9,750
Stoddard	21,800	21,200	808	35,700	27,000	25,900	549	29,600
State	**335,000**	**328,000**	**792**	**541,000**	**345,000**	**335,000**	**539**	**376,000**

COTTON: Varieties Planted, Missouri, 1989-93

Year	Chembred 333	Stoneville 132	Stoneville 453	Stoneville 506	Stoneville 825	Stoneville 907	Deltapine 20	Deltapine 50	Deltapine 51	Deltapine 5415	DES 119	All Other Varieties
						-percent-						
1989	–	–	3	36	3	–	15	37	–	–	–	6
1990	–	–	8	25	2	–	16	45	1	–	3	–
1991	–	–	9	20	1	–	17	42	3	–	4	4
1992	–	–	22	17	1	1	10	30	6	5	4	4
1993	**1**	**2**	**24**	**12**	**1**	**2**	**19**	**24**	**8**	**2**	**3**	**2**

Source: U.S. Department of Agriculture, Agricultural Marketing Service, Cotton Division.

RICE:

Acreage, Yield and Production by Counties, Missouri, 1992-93

County	1992 Planted	1992 Harvested	1992 Yield	1992 Production	1993 Planted	1993 Harvested	1993 Yield	1993 Production
		-acres-	-lbs-	-cwt-		-acres-	-lbs-	-cwt-
Butler	57,900	56,800	4,820	2,738,000	53,800	49,700	4,910	2,439,000
Dunklin	NA	NA	NA	NA	1,900	1,800	5,000	90,000
New Madrid	10,600	9,300	4,620	430,000	9,000	5,700	4,770	272,000
Pemiscot	3,700	3,600	4,810	173,000	2,300	2,100	4,710	99,000
Ripley	4,300	4,300	4,510	194,000	3,600	3,500	4,800	168,000
Stoddard	37,100	34,900	4,850	1,694,000	33,400	29,500	4,940	1,457,000
Other	3,400	3,100	4,740	147,000	1,000	700	4,500	32,000
State	**117,000**	**112,000**	**4,800**	**5,376,000**	**105,000**	**93,000**	**4,900**	**4,557,000**

1/ Included in Other.

RICE: Varieties Planted, Missouri, 1990-94

Year	Lemont	Alan	Tebonnet	Katy	Millie	Gulfmont	Maybelle	Cypress	Lacassine	Other
					-percent of acreage-					
1990	51	1/	23	1/	1/	6	1/	3/	2/	14
1991	43	4	8	9	1/	5	16	3/	2/	15
1992	51	24	1/	7	5	4	1/	3/	2/	9
1993	37	28	1/	3	7	5	3	3/	11	6
1994 4/	**40**	**24**	**1/**	**3**	**4**	**4**	**1**	**12**	**10**	**2**

1/ Included in Other.
2/ No data prior to 1993.
3/ No data prior to 1994.
4/ Source: Agronomy Specialist, University of Missouri Extension Service; Poplar Bluff, Southeast Region.

HAY:

Acreage, Yield, Production and Value, By Counties, Missouri, 1992 – 93

County	1992 Harvested	1992 Yield per Acre	1992 Production	1992 Total Value	1993 Harvested	1993 Yield per Acre	1993 Production	1993 Total Value
	– acres –		– tons –	– thous dol –	– acres –		– tons –	– thous dol –
ADAIR	53,400	1.65	88,300	5,033.0	52,000	1.64	85,500	4,788.0
ANDREW	21,100	2.59	54,700	3,063.0	20,200	2.44	49,300	2,761.0
ATCHISON	7,500	3.03	22,700	1,271.0	7,800	2.09	16,300	912.8
AUDRAIN	21,100	2.12	44,700	2,727.0	21,200	1.89	40,100	2,386.0
BARRY	58,700	1.99	116,600	8,914.0	55,000	2.24	123,300	8,816.0
BARTON	38,200	1.89	72,300	5,527.0	36,500	1.69	61,800	4,419.0
BATES	64,100	1.92	122,900	7,251.0	61,500	1.84	113,400	6,634.0
BENTON	38,700	1.84	71,200	4,343.0	40,800	2.24	91,500	5,627.0
BOLLINGER	27,900	1.84	51,300	3,796.0	27,800	2.29	63,700	4,300.0
BOONE	39,700	1.72	68,300	4,166.0	40,200	2.09	84,100	5,172.0
BUCHANAN	14,000	2.06	28,900	1,618.0	13,900	1.84	25,600	1,434.0
BUTLER	7,900	1.59	12,600	793.8	8,400	1.30	10,900	700.5
CALDWELL	34,000	2.04	69,200	3,875.0	33,400	1.74	58,200	3,259.0
CALLAWAY	40,500	1.85	74,900	4,569.0	42,300	1.89	80,100	4,926.0
CAMDEN	20,800	1.65	34,300	2,092.0	20,800	1.94	40,400	2,485.0
CAPE GIRARDEAU	39,600	2.20	87,100	5,487.0	42,600	2.24	95,500	6,136.0
CARROLL	25,500	1.97	50,200	2,861.0	25,400	1.74	44,300	2,481.0
CARTER	6,000	1.53	9,200	681.0	6,000	1.77	10,600	715.0
CASS	51,900	2.09	108,500	6,401.0	49,500	1.79	88,800	5,195.0
CEDAR	35,600	1.80	64,200	3,788.0	33,800	2.04	69,000	4,036.0
CHARITON	34,000	1.85	62,900	3,585.0	33,000	1.84	60,800	3,405.0
CHRISTIAN	47,400	2.24	106,100	8,112.0	44,800	2.39	107,100	7,658.0
CLARK	23,700	2.09	49,500	3,019.0	23,000	1.94	44,700	2,660.0
CLAY	22,600	1.85	41,800	2,341.0	22,000	1.95	42,800	2,397.0
CLINTON	29,300	1.89	55,400	3,102.0	29,400	1.84	54,200	3,035.0
COLE	34,800	1.95	67,800	4,136.0	35,700	2.04	72,900	4,483.0
COOPER	31,300	2.00	62,700	3,825.0	33,000	1.99	65,800	4,047.0
CRAWFORD	25,800	1.69	43,500	2,914.0	25,800	1.79	46,300	3,056.0
DADE	41,200	2.03	83,600	6,391.0	39,400	2.09	82,500	5,899.0
DALLAS	51,800	1.70	87,900	5,362.0	52,800	2.09	110,500	6,796.0
DAVIESS	26,100	1.98	51,800	2,901.0	25,800	1.79	46,300	2,593.0
DEKALB	30,200	2.06	62,200	3,483.0	30,000	1.84	55,300	3,097.0
DENT	24,300	2.04	49,500	3,663.0	24,200	2.39	57,900	3,908.0
DOUGLAS	38,600	1.87	72,200	5,343.0	38,200	1.79	68,500	4,624.0
DUNKLIN	1,200	1.83	2,200	138.6	1,300	1.77	2,300	147.8
FRANKLIN	50,700	1.85	93,700	6,278.0	50,900	2.19	111,600	7,366.0
GASCONADE	30,200	1.79	54,200	3,631.0	30,500	2.39	72,900	4,811.0
GENTRY	34,100	2.10	71,500	4,004.0	32,700	1.89	61,900	3,466.0
GREENE	79,900	1.97	157,600	12,049.0	76,200	2.34	178,400	12,756.0
GRUNDY	23,100	1.92	44,400	2,531.0	23,300	2.09	48,800	2,733.0
HARRISON	50,500	2.11	106,800	5,981.0	50,800	1.64	83,500	4,676.0
HENRY	53,100	1.88	99,900	5,894.0	50,300	1.84	92,700	5,423.0
HICKORY	35,500	1.61	57,100	3,483.0	36,300	1.84	66,900	4,114.0
HOLT	6,000	3.13	18,800	1,053.0	6,100	2.25	13,700	767.2
HOWARD	24,100	1.95	47,000	2,867.0	24,600	1.94	47,800	2,940.0
HOWELL	47,900	1.93	92,400	6,838.0	47,800	1.94	92,900	6,271.0
IRON	9,400	1.63	15,300	1,132.0	9,300	1.84	17,100	1,154.0
JACKSON	17,100	1.89	32,300	1,906.0	16,800	1.60	26,800	1,568.0
JASPER	50,900	2.01	102,500	7,836.0	47,800	1.99	95,300	6,814.0
JEFFERSON	19,700	1.84	36,200	2,425.0	19,600	1.69	33,200	2,191.0
JOHNSON	70,600	1.84	130,200	7,682.0	67,300	1.94	130,800	7,652.0
KNOX	31,600	2.05	64,900	3,959.0	31,000	1.94	60,200	3,582.0
LACLEDE	54,800	2.01	110,400	6,735.0	56,700	2.29	130,000	7,995.0
LAFAYETTE	30,300	2.26	68,600	4,047.0	29,200	2.09	61,100	3,574.0
LAWRENCE	87,100	2.22	193,400	14,786.0	81,900	2.44	200,200	14,314.0
LEWIS	19,100	2.45	46,800	2,855.0	18,600	2.19	40,800	2,428.0
LINCOLN	19,500	2.13	41,500	2,781.0	19,400	2.19	42,500	2,805.0
LINN	53,400	1.79	95,600	5,449.0	52,900	1.84	97,500	5,460.0
LIVINGSTON	20,700	1.95	40,400	2,303.0	20,200	1.74	35,200	1,971.0
MCDONALD	32,800	1.99	65,200	4,985.0	31,800	2.59	82,400	5,891.0
MACON	55,600	1.77	98,300	5,603.0	54,300	1.69	92,000	5,152.0
MADISON	17,700	1.47	26,000	1,924.0	17,600	1.64	28,900	1,951.0
MARIES	35,000	1.66	58,200	3,550.0	35,700	2.29	81,800	5,031.0
MARION	19,000	2.12	40,300	2,458.0	18,800	2.24	42,200	2,511.0
MERCER	31,900	2.24	71,500	4,076.0	31,800	1.75	55,500	3,108.0

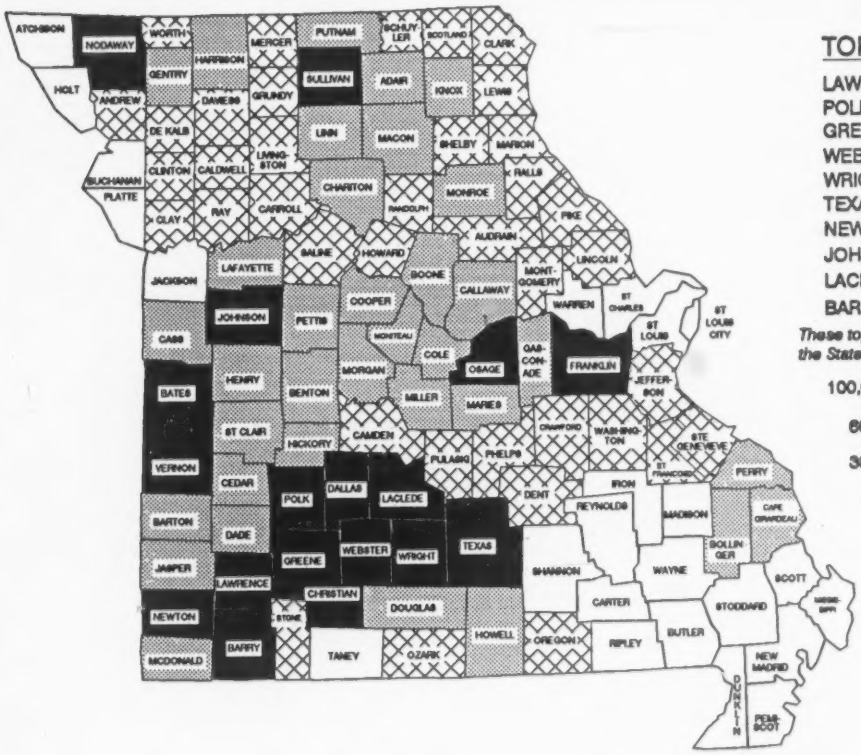
HAY:

Acreage, Yield, Production and Value, By Counties, Missouri, 1992 – 93

County	1992 Harvested	1992 Yield per Acre	1992 Production	1992 Total Value	1993 Harvested	1993 Yield per Acre	1993 Production	1993 Total Value
	– acres –		– tons –	– thous dol –	– acres –		– tons –	– thous dol –
MILLER	38,900	1.73	67,300	4,105.0	40,200	2.34	94,100	5,787.0
MISSISSIPPI	2,000	1.40	2,800	176.4	2,200	1.73	3,800	244.2
MONITEAU	39,500	1.73	68,300	4,167.0	41,200	2.19	90,300	5,553.0
MONROE	30,500	1.90	57,800	3,526.0	29,800	2.19	65,300	3,885.0
MONTGOMERY	17,000	1.90	32,300	2,164.0	17,100	1.84	31,500	2,079.0
MORGAN	36,000	1.78	64,000	3,904.0	36,500	2.19	80,000	4,920.0
NEW MADRID	400	1.75	700	44.1	400	1.75	700	45.0
NEWTON	59,200	2.04	121,000	9,251.0	56,700	2.39	135,600	9,695.0
NODAWAY	46,800	2.51	117,600	6,586.0	46,200	2.19	101,300	5,673.0
OREGON	22,700	2.14	48,500	3,589.0	22,500	2.29	51,600	3,483.0
OSAGE	45,300	2.18	98,800	6,027.0	46,900	2.39	112,200	6,900.0
OZARK	19,600	1.95	38,200	2,827.0	19,500	1.89	36,900	2,491.0
PEMISCOT	1,000	1.70	1,700	107.1	1,100	1.73	1,900	122.1
PERRY	26,400	2.56	67,600	4,529.0	26,400	2.39	63,100	4,165.0
PETTIS	42,900	1.89	81,100	4,947.0	45,100	2.09	94,400	5,806.0
PHELPS	24,100	1.83	44,100	2,690.0	24,100	2.14	51,600	3,174.0
PIKE	25,200	2.10	52,800	3,221.0	25,100	2.24	56,300	3,350.0
PLATTE	13,500	1.90	25,600	1,434.0	13,300	1.84	24,500	1,372.0
POLK	80,400	1.95	157,100	9,583.0	83,100	2.39	198,700	12,220.0
PULASKI	16,300	1.59	25,900	1,580.0	16,700	2.44	40,800	2,509.0
PUTNAM	46,400	2.13	99,000	5,643.0	44,400	1.84	81,900	4,586.0
RALLS	16,100	1.96	31,500	1,921.0	16,200	2.09	33,900	2,017.0
RANDOLPH	28,100	1.57	44,000	2,508.0	27,500	1.94	53,400	2,990.0
RAY	29,600	1.84	54,500	3,052.0	29,800	1.59	47,500	2,660.0
REYNOLDS	10,000	1.44	14,400	1,066.0	9,800	1.90	18,600	1,256.0
RIPLEY	13,500	1.84	24,900	1,843.0	13,500	2.10	28,300	1,910.0
ST CHARLES	11,900	2.41	28,700	1,923.0	12,100	1.89	22,900	1,511.0
ST CLAIR	48,000	1.88	90,300	5,328.0	45,400	2.04	92,700	5,423.0
STE GENEVIEVE	24,100	1.94	46,800	3,136.0	24,300	2.29	55,700	3,676.0
ST FRANCOIS	25,500	1.69	43,100	2,888.0	25,500	2.34	59,700	3,940.0
ST LOUIS	3,200	1.75	5,600	375.0	3,300	2.18	7,200	475.0
SALINE	23,600	2.00	47,300	2,885.0	24,300	2.04	49,600	3,050.0
SCHUYLER	33,300	1.93	64,400	3,671.0	32,500	1.84	59,900	3,354.0
SCOTLAND	26,200	2.09	54,700	3,337.0	25,100	1.94	48,800	2,903.0
SCOTT	6,100	2.26	13,800	869.5	6,500	1.89	12,300	790.4
SHANNON	16,100	1.87	30,100	2,227.0	16,000	1.79	28,700	1,937.0
SHELBY	23,500	1.88	44,100	2,690.0	23,200	2.09	48,500	2,886.0
STODDARD	7,800	1.86	14,500	913.5	8,500	1.99	16,900	1,086.0
STONE	19,600	2.12	41,500	3,173.0	18,900	2.39	45,200	3,232.0
SULLIVAN	61,600	1.75	107,700	6,139.0	60,700	1.84	111,900	6,267.0
TANEY	11,800	1.89	22,300	1,650.0	11,700	2.20	25,700	1,735.0
TEXAS	67,300	1.89	127,000	9,398.0	65,400	2.09	136,900	9,241.0
VERNON	56,300	1.92	108,300	6,390.0	52,200	1.94	101,400	5,932.0
WARREN	10,300	1.90	19,600	1,313.0	10,400	2.29	23,800	1,571.0
WASHINGTON	15,700	1.39	21,800	1,461.0	15,700	1.99	31,300	2,066.0
WAYNE	9,300	1.68	15,600	1,154.0	9,200	2.20	20,200	1,363.0
WEBSTER	66,300	2.03	134,300	9,938.0	65,600	2.49	163,400	11,029.0
WORTH	20,700	2.22	46,000	2,576.0	20,600	1.65	33,900	1,898.0
WRIGHT	60,600	2.13	128,800	9,531.0	59,900	2.39	143,300	9,673.0
DISTRICTS								
NORTHWEST	386,000	2.14	827,500	46,340.0	382,000	1.87	714,300	40,001.0
NORTH CENTRAL	467,000	1.86	866,700	49,402.0	458,000	1.81	826,700	46,295.0
NORTHEAST	236,000	2.06	487,100	29,713.0	232,000	2.07	480,800	28,608.0
WEST CENTRAL	427,000	1.93	825,200	48,667.0	406,000	1.91	776,700	45,437.0
CENTRAL	754,000	1.85	1,393,700	85,016.0	777,000	2.17	1,683,500	103,535.0
EAST CENTRAL	280,000	1.91	534,600	35,818.0	281,000	2.14	601,700	39,712.0
SOUTHWEST	515,000	2.06	1,059,800	81,024.0	489,000	2.27	1,111,800	79,494.0
SOUTH CENTRAL	469,000	1.92	900,000	66,600.0	464,000	2.14	993,200	67,041.0
SOUTHEAST	66,000	2.05	135,400	8,530.0	71,000	2.03	144,300	9,272.0
STATE	**3,600,000**	**1.95**	**7,030,000**	**451,130.0**	**3,560,000**	**2.06**	**7,333,000**	**459,395.0**

1993 HAY PRODUCTION,

By Counties



TOP TEN COUNTIES

LAWRENCE . . . 200,200 tons
POLK. . . . . 199,700 tons
GREENE. . . . . 178,400 tons
WEBSTER. . . . . 163,400 tons
WRIGHT . . . . . 143,300 tons
TEXAS . . . . . 136,900 tons
NEWTON. . . . . 135,600 tons
JOHNSON. . . . . 130,800 tons
LACLEDE . . . . . 130,000 tons
BARRY . . . . . 123,300 tons

These top ten counties represent 21% of the State's total hay production.

100,000 tons and Above
60,000 - 99,999 tons
30,000 - 59,999 tons
Under 30,000 tons

HAY STOCKS ON FARMS: Missouri, 1989-93

	1989	1990	1991	1992	1993
			-thousand tons-		
May 1	712	1,691	1,442	1,280	703
Dec 1	6,358	5,904	5,830	5,835	6,160

RICE STOCKS: Missouri, 1989-93 1/

	1989	1990	1991	1992	1993
			-thousand cwt-		
Mar. 1	2,447	1,844	1,697	1,460	2,627
Aug. 1	447	308	258	431	1,184
Dec. 1	3,046	2,839	2,178	3,814	2,765

1/ Rough rice stocks in all positions.

OFF FARM STORAGE FACILITIES: Missouri, December 1, 1989-93

	1989	1990	1991	1992	1993
Number	609	589	579	566	546
Capacity *(thousand bushels)*	292,550	277,650	268,990	261,470	256,230

ON FARM STORAGE FACILITIES: Missouri, December 1, 1989-93

	1989	1990	1991	1992	1993
Capacity *(million bushels)*	420	400	410	410	400

Grain Stocks: Missouri, 1989-1993

(thousand bushels)

CORN

On Farms

Date	1989	1990	1991	1992	1993
Mar.1	70,000	65,000	70,000	64,000	**113,000**
Jun.1	45,000	35,000	33,000	32,000	**76,000**
Sep.1	22,000	18,000	12,000	11,000	**41,000**
Dec.1	125,000	120,000	110,000	155,000	**107,000**

Off Farms

Date	1989	1990	1991	1992	1993
Mar.1	49,829	42,028	28,896	33,631	**51,597**
Jun.1	33,739	26,110	19,280	17,007	**35,858**
Sep.1	23,160	14,090	13,759	8,851	**28,548**
Dec.1	50,889	36,242	40,375	51,872	**42,339**

Total Stocks

Date	1989	1990	1991	1992	1993
Mar.1	119,829	107,028	98,896	97,631	**164,597**
Jun.1	78,739	61,110	52,280	49,007	**111,858**
Sep.1	45,160	32,090	25,759	19,851	**69,548**
Dec.1	175,889	156,242	150,375	206,872	**149,339**

SORGHUM 1/

On Farms

Date	1989	1990	1991	1992	1993
Mar.1	—	9,500	8,500	4,500	**13,000**
Jun.1	4,000	3,400	5,000	2,500	**6,500**
Sep.1	2,500	2,900	2,500	1,400	**3,300**
Dec.1	—	18,000	14,000	24,000	**15,000**

Off Farms

Date	1989	1990	1991	1992	1993
Mar.1	—	17,193	10,152	6,743	**10,556**
Jun.1	20,124	11,641	7,010	2,712	**7,838**
Sep.1	16,697	7,744	4,554	1,327	**5,234**
Dec.1	—	14,351	12,641	15,242	**12,298**

Total Stocks

Date	1989	1990	1991	1992	1993
Mar.1	—	26,693	18,652	11,243	**23,556**
Jun.1	24,124	15,041	12,010	5,212	**14,338**
Sep.1	19,197	10,644	7,054	2,727	**8,534**
Dec.1	—	32,351	26,641	39,242	**27,298**

SOYBEANS

On Farms

Date	1989	1990	1991	1992	1993
Mar.1	30,000	32,000	34,000	26,000	**36,000**
Jun.1	16,000	13,500	20,000	15,000	**17,000**
Sep.1	8,800	5,400	7,500	8,200	**9,500**
Dec.1	55,000	47,000	55,000	58,000	**47,000**

Off Farms

Date	1989	1990	1991	1992	1993
Mar.1	26,281	29,145	32,435	36,859	**37,654**
Jun.1	14,576	17,749	17,218	19,802	**19,371**
Sep.1	6,694	7,523	9,497	8,983	**9,034**
Dec.1	53,522	53,433	55,068	63,212	**47,081**

Total Stocks

Date	1989	1990	1991	1992	1993
Mar.1	56,281	61,145	66,435	62,859	**73,654**
Jun.1	30,576	31,249	37,218	34,802	**36,371**
Sep.1	15,494	12,923	16,997	17,183	**18,534**
Dec.1	108,522	100,433	110,068	121,212	**94,081**

WHEAT

On Farms

Date	1989	1990	1991	1992	1993
Mar.1	1,100	1,300	6,000	1,000	**800**
Jun.1	400	500	2,500	600	**600**
Sep.1	12,000	17,000	6,500	9,500	**9,500**
Dec.1	6,200	8,500	3,200	3,000	**3,900**

Off Farms

Date	1989	1990	1991	1992	1993
Mar.1	21,882	10,554	23,829	20,188	**10,696**
Jun.1	7,166	4,518	16,121	9,967	**6,355**
Sep.1	27,433	39,990	37,154	31,146	**28,837**
Dec.1	16,692	31,849	25,899	21,226	**25,618**

Total Stocks

Date	1989	1990	1991	1992	1993
Mar.1	22,982	11,854	29,829	21,188	**11,496**
Jun.1	7,566	5,018	18,621	10,567	**6,955**
Sep.1	39,433	56,990	43,654	40,646	**38,337**
Dec.1	22,982	40,349	29,099	24,226	**29,518**

1/ Sorghum stocks estimates made only twice a year in 1989, on June 1 and September 1.

FLORICULTURE

Sales represent both retail and wholesale quantities sold in the calendar year shown. Flowers, plants, or materials purchased from others for immediate resale are excluded. Potted flowering plants and foliage plants purchased, but held less than four weeks are excluded. All data for foliage and potted flowering plants represent only those grown for indoor or patio use. Value data for cut flower, total foliage for indoor or patio use, and potted flowering crops are on a "gross wholesale" basis, before deductions for sales commissions or transportation costs. Value of sales at wholesale is an equivalent value calculated by applying the average wholesale price to total costs.

The 1993 wholesale value of all sales in Missouri for commercial growers with $100,000 or more of gross sales for the selected floriculture crops surveyed totaled $32.5 million, up from last year's figure of $29.7 million. Sales of cut flowers, at $738,000 were down 12 percent from 1992. Sales of potted flowering plants, at $10.5 million, were up 2 percent from the previous year. Sales of foliage plants for indoor patio use, at $2.42 million, were up 8 percent from 1992. Sales of bedding and garden plants, at $18.9 million, increased by 16 percent from the previous year.

ITEM	MISSOURI			
	1990	1991	1992	1993
Number of growers 1/	188	199	204	177
Total greenhouse cover 1/ (1,000 sq. ft.)	5,369	5,471	5,659	5,557
Expanded wholesale value 1/ (1,000 dollars)	31,018	33,049	35,449	38,014
			-thousand dollars-	
Total cut flowers	**1,046**	**873**	**837**	**738**
Total potted flowering plants	**9,467**	**10,203**	**10,279**	**10,474**
African violets	352	224	242	190
Chrysanthemums	2,278	2,404	2,431	2,357
Azaleas	380	510	641	475
Easter Lilies	846	855	834	740
Other Lilies	145	141	128	125
Poinsettias	2,869	2,975	3,181	3,274
Other potted flowering plants	2,597	3,094	2,822	3,313
Total foliar	**2,067**	**2,445**	**2,241**	**2,424**
Potted foliar	1,285	1,575	1,332	1,634
Foliar hanging baskets	782	870	909	790
Total bedding/garden plants	**13,165**	**13,455**	**16,298**	**18,884**
Geraniums (flats)	437	315	296	297
Other flowering and foliar type (flats)	5,928	5,842	7,540	9,560
Vegetable type (flats)	1,478	1,246	1,219	1,520
Potted hardy/garden chrysanthemums	939	1,201	1,254	1,056
Potted geraniums (cuttings)	1,090	1,101	1,168	1,218
Potted geraniums (seed)	616	460	720	578
Other potted flowering and foliar type	1,015	1,290	1,759	2,559
Potted vegetable type	18	23	19	24
Flowering hanging baskets	1,644	1,977	2,323	2,072
Total Cut cultivated greens	**NA**	**3**	**4**	**4**
Grand Total wholesale value of reported crops	**25,748**	**26,979**	**29,659**	**32,524**

FRUITS:
Production, Use and Value, Missouri, 1989-93

Year	Total Production	Utilized	Season Average Price	Value of Utilized Production
		-Apples-		
	-million pounds-		-cents per lb.-	-thous. dol.-
1989	55.0	54.0	13.6	7,343
1990	41.0	41.0	16.9	6,927
1991	40.0	40.0	20.8	8,308
1992	37.0	37.0	19.8	7,313
1993	56.0	52.0	18.8	9,779
		-Peaches-		
	-million pounds-		-cents per lb.-	-thous. dol.-
1989	4.5	4.5	27.0	1,215
1990	0.7	0.7	30.0	210
1991	11.0	11.0	23.0	2,530
1992	9.0	9.0	27.0	2,430
1993	7.5	7.5	24.0	1,800
		-Grapes-		
	-tons-		-dollars per ton-	-thous. dol.-
1989	3,600	3,600	359	1,291
1990	1,300	1,300	378	491
1991	3,100	3,100	356	1,104
1992	1,850	1,850	408	755
1993	2,350	2,350	376	883
		-Watermelons 1/		
	-tons-		-dollars per cwt.	-thous. dol.-
1992	1,460		2.90	4,234
1993	1,260		3.95	4,977

1/ Not Surveyed prior to 1992.

COMMERCIAL FERTILIZER:
Consumption by Kind and Primary Plant Nutrients, Missouri, 1989-93 1/

Item	1989	1990	1991	1992	1993
			-tons-		
Multiple Nutrient	432,861	423,238	414,115	428,399	431,612
Nitrogen Materials					
Ammonia					
Anhydrous	96,879	75,156	108,593	121,784	74,673
Ammonium					
Nitrate	189,493	190,393	199,213	228,465	234,015
Sulfate	13,639	12,655	14,582	16,969	16,666
Nitrogen solutions	215,493	242,498	267,805	300,580	306,714
Urea	271,726	283,266	228,514	227,139	236,036
Phosphate Materials					
Super Phosphates					
Over 22%	59,869	55,806	52,133	52,548	40,957
Phosphoric acid	3,380	1,125	1,076	4,253	2,043
Other	554	2,151	1,082	1,671	3,095
Potash Materials					
Chloride, 60% and over	374,140	370,947	364,907	377,404	385,669
Other	14,330	15,400	10,740	7,063	6,995
Secondary and Micronutrient Materials					
Gypsum	1,767	1,160	2,046	1,887	2,428
Other	4,513	4,958	5,182	5,738	6,821
Total Fertilizer	1,683,575	1,684,216	1,675,484	1,781,926	1,756,041
			-nutrient tons-		
Primary Nutrients					
N	402,015	397,752	408,084	443,426	414,204
Available P_2O_5	176,237	177,499	169,431	177,825	180,883
K_2O	252,508	247,188	243,615	250,474	252,239

1/ Figures furnished by Agricultural Experiment Station, University of Missouri-Columbia; Data also supplied by the National Fertilizer Development Center of the TVA. Fertilizer based on consumption for fiscal year ending June 30 of year shown.

CHEMICAL USAGE

The data presented here are part of the data series on chemical use funded through a Government-wide Water Quality Initiative. This is a multi-agency program designed to provide information to address on-farm and off-farm environmental issues. There has been an inadequate amount of farm level data to determine the magnitude of water quality problems or to permit an assessment of alternatives. This report is intended to help evaluate the current complex environmental issues.

Chemical usage on winter wheat in Missouri is also available and on other crops produced in the Unites States. Those interested in any of this information should contact the Missouri Agricultural Statistics Service.

The information presented in this report is a result of data collected from a sample survey conducted during the 1992-1993 crop year. Chemical use data were collected beginning in late July. A random sample of fields was selected using information obtained in a survey of farm operators conducted in early June. Farmers operating the sample fields were personally interviewed to obtain information on chemical applications made to those specific fields. The chemical use estimates in this report consist of survey estimates from those interviews. For corn a total of 311 usable reports were obtained in 1992 and 247 in 1993. For soybeans, a total of 348 reports were obtained in 1992 and 298 in 1993.

CORN:
AGRICULTURAL CHEMICAL APPLICATIONS, MISSOURI, 1992-93 1/

Agricultural Chemical 2/	Area Applied 3/		Applications		Rate per Application		Rate per Crop Year		Total Applied	
	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993
Fertilizers	*-percent-*		*-number-*		*-pounds per acre-*				*-million lbs.-*	
Nitrogen	97	99	1.2	1.2	111	110	137	132	332.2	286.3
Phosphate	75	76	1.0	1.0	51	52	52	53	97.8	87.7
Potash	77	77	1.0	1.0	67	66	70	66	134.5	112.9
Herbicides	*-percent-*		*-number-*		*-pounds per acre-*				*-thous. lbs.-*	
2,4-D	6	9	1.0	1.0	0.38	0.42	0.38	0.42	61	87
Alachlor	23	36	1.0	1.0	1.87	1.86	1.87	1.89	1,087	1,513
Atrazine	85	84	1.1	1.1	1.22	1.19	1.31	1.30	2,787	2,417
Bromoxynil	3	3	1.0	1.0	0.26	0.22	0.26	0.22	21	16
Butylate	4	---	1.0	---	4.39	---	4.39	---	391	---
Cyanazine	25	17	1.0	1.0	2.16	2.06	2.16	2.06	1,343	760
Dicamba	3	---	1.0	---	0.34	---	0.34	---	22	---
Glyphosate	4	7	1.0	1.0	0.80	0.57	0.80	0.57	71	92
Metolachlor	32	25	1.0	1.0	1.66	1.70	1.73	1.75	1,396	979
Primisulfuron	---	6	---	1.0	---	0.03	---	0.03	---	4
Insecticides										
Chlorpyifos	9	7	1.0	1.0	1.23	1.16	1.23	1.16	289	189
Permethrin	9	3	1.0	1.0	0.14	0.11	0.14	0.11	33	8
Terbufos	3	---	1.0	---	1.19	---	1.19	---	96	---

1/ Area planted in 1992 was 2.50 million acres, 1993 was 2.20 million acres.
2/ Insufficient data to publish estimates for other agricultural chemicals.
3/ Refers to acreage receiving one or more applications of a specific chemical.

SOYBEANS:
AGRICULTURAL CHEMICAL APPLICATIONS, MISSOURI, 1992-93 1/

Agricultural Chemical 2/	Area Applied 3/		Applications		Rate per Application		Rate per Crop Year		Total Applied	
	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993
Fertilizers	*-percent-*		*-number-*		*-pounds per acre-*				*-million lbs.-*	
Nitrogen	10	12	1.1	1.0	22	21	23	21	9.9	10.6
Phosphate	20	19	1.0	1.0	43	37	43	37	37.3	29.8
Potash	22	21	1.0	1.0	58	64	59	64	55.8	57.2
Herbicides	*-percent-*		*-number-*		*-pounds per acre-*				*thous. lbs.-*	
2,4-D	---	6	---	1.0	---	0.41	---	0.41	---	104
Acifluorfen	4	5	1.0	1.0	0.23	0.18	0.23	0.18	41	38
Alachlor	7	12	1.0	1.0	1.80	1.94	1.80	1.94	558	984
Bentazon	5	3	1.1	1.0	0.61	0.59	0.65	0.59	136	83
Chlorimuron-ethyl	21	21	1.0	1.0	0.03	0.03	0.03	0.03	23	24
Clomazone	8	6	1.0	1.0	0.44	0.54	0.44	0.54	157	144
Fluazifop-P-butyl	---	3	---	1.0	---	0.11	---	0.11	---	15
Glyphosate	8	15	1.1	1.0	0.68	0.66	0.72	0.69	252	449
Imazaquin	42	34	1.0	1.1	0.10	0.10	0.10	0.11	189	158
Imazethapyr	17	18	1.0	1.0	0.06	0.06	0.06	0.06	45	44
Metolachlor	---	6	---	1.0	---	1.75	---	1.75	---	469
Metribuzin	18	19	1.0	1.0	0.29	0.25	0.29	0.26	227	211
Pendimethalin	27	35	1.0	1.1	0.75	0.69	0.77	0.78	877	1,152
Quizalofop-ethyl	6	3	1.0	1.0	0.05	0.05	0.05	0.05	11	7
Sethoxydim	---	4	---	1.0	---	0.13	---	0.13	---	22
Thifensulfuron	5	3	1.0	1.0	0.004	0.004	0.004	0.004	1	1
Trifluralin	34	19	1.0	1.0	0.80	0.69	0.83	0.69	1,193	552

1/ Area planted in 1992 was 4.30 million acres, 1993 was 4.20 million acres.
2/ Insufficient data to publish estimates for other agricultural chemicals.
3/ Refers to acreage receiving one or more applications of a specific chemical.

LIVESTOCK

1993 Missouri Livestock Summary

General: Several factors have influenced the type of livestock production currently practiced in Missouri. Climate, soil types and terrain, location, availability of markets, and it's people have all contributed to animal agriculture in the state. The climate of Missouri is such that livestock are not subjected to the higher temperatures of the more southerly states and the disease and pest problems associated with them. Yet it is not so far north as to require livestock to endure extremely harsh winters. Pastures receive more rainfall than in the arid southwestern states but not as much as the humid northwestern or southeastern United States. The climate also contributes to the long growing season for native grasses and improved pastures. The northern and southeastern fertile cropland portions of the state provide feed grains while the hilly Ozark Plateau is suitable only for animal agriculture. Being near the geographical and population centers of the contiguous United States allows Missouri to export animals easily for further feeding, processing, or consumption.

Cash Receipts: Total cash receipts for 1993 Missouri livestock and products were 2.27 billion dollars, up 4 percent from the 2.19 billion dollars received in 1992. Meat animals accounted for 62 percent of total receipts in 1993, poultry/eggs 22 percent, and dairy products 15 percent. Specialty livestock farms accounted for the remaining 1 percent.

Hogs: The December 1, 1993 inventory of Missouri hogs and pigs was estimated at 3.00 million head, up 7 percent from 1992. There were 665,000 sows farrowed during 1993, an increase of 4 percent above last year. The pig crop totaled 5.23 million pigs, up 5 percent from 1992. Pigs saved per litter averaged 7.86 pigs.

Milk Production: Missouri milk production during 1993 totaled 2.83 billion pounds, a decrease of 5 percent from the 2.97 billion pounds produced during 1992 and 1.4 percent below 1991. The average number of milk cows on hand during 1993 decreased almost 2 percent to 222,000 head from 227,000 head a year earlier. Milk production per cow decreased 3 percent from 13,088 pounds per cow in 1992 to 12,743 pounds per cow in 1993.

Manufactured Dairy Products: Ice cream production totaled 15.4 million gallons, 26 percent above 1992 production of 12.2 million pounds. Ice milk production of 11.2 million gallons is 18 percent above 1992's 9.5 million gallons. Milk sherbet production totaled 513,000 gallons compared with 507,000 gallons in 1992. Total cheese production totaled 205.9 million pounds, a decrease of 14 percent from 1992's 239.2 million pounds.

Cattle: The inventory of all cattle and calves on Missouri farms on January 1, 1994 totaled 4.80 million head, an increase of 4 percent from the 4.60 million head on hand a year earlier. There were 2.46 million head of cows and heifers that had calved in Missouri on January 1, 1994. This was up 7 percent from the 2.30 million head on hand a year earlier. Beef cows totaled 2.24 million head, up 8 percent from the 2.07 million head on hand January 1, 1993. Milk cows decreased 4 percent to 220,000 head from 230,000 head a year earlier. Missouri's 1993 calf crop totaled 2.20 million head, up 5 percent from the 2.10 million head born during 1992. The number of operations with cattle decreased 4 percent during 1993 to 71,000 compared with 74,000 operations for 1992.

Sheep: Missouri's sheep and lambs totaled 86,000 head on January 1, 1994. This was down 11 percent from the 97,000 head on hand a year earlier. Stock sheep and lambs accounted for 74,000 head, down 4 percent from the 77,000 head on hand January 1, 1993. Sheep and lambs on feed declined 40 percent to 12,000 head from 20,000 head a year earlier. Missouri's 1993 lamb crop totaled 80,000 head, unchanged from the number born during 1992. The number of new crop lambs, at 5,000, was also unchanged from a year earlier. The number of operations with sheep in Missouri during 1993 declined 6 percent to 3,100 operations from 3,300 operations during 1992.

Chickens and Eggs: The number of all chickens (excluding commercial broilers) on hand on December 1, 1993 in Missouri totaled 8.4 million, up 17 percent from the 7.2 million on hand a year earlier. The average number of layers in Missouri during 1993 was 6.61 million, virtually unchanged from the 6.62 million averaged during 1992. There was an increase in the average number of eggs per layer from 247 eggs during 1992 to 249 eggs during 1993. Total egg production in Missouri increased slightly to 1.64 billion eggs during 1993 compared to 1.63 billion eggs during 1992.

Broilers: Missouri's record broiler production continued during 1993 with 579.6 million pounds produced. This was an increase of 7 percent over the 541.8 million pounds produced in 1992. The increase in production, coupled with an increase in the average price per pound to 37 cents from 34 cents in 1992, led to an increase in the value of production to 214.5 million dollars in 1993 from 184.2 million dollars in 1992.

Turkeys: There were 21 million turkeys raised in Missouri during 1993. This was a 2 percent increase over the 20.5 million raised during 1992. The average price per pound increased 2 cents to 40 cents per pound. The value of production for 1993 was 178.9 million dollars, up 9 percent from the 1992 value of production of 163.6 million dollars.

LIVESTOCK RECORDS FOR MISSOURI:

Item of Livestock	Record High Head	Record High Year 1/	Record Low Head	Record Low Year 1/	Date Series Began
Cattle					
All cattle Jan. 1	6,800,000	1975	1,134,000	1867	1867
Beef cows Jan. 1	2,759,000	1975	280,000	1912	1900
Milk cows Jan. 1	1,115,000	1945	**220,000**	**1994**	1867
Cattle on feed Jan. 1	442,000	1969	85,000	1986	1950
Calf crop	2,840,000	1974	908,000	1927	1924
Milk					
Milk Production 2/ (annual)	4,600,000,000	1954	2,606,000,000	1924	1924
Hogs					
Inventory Dec. 1	5,405,000	1944	2,400,000	1935	1867
Pig Crop					
Spring	4,037,000	1943	1,588,000	1937	1924
Fall	4,352,000	1970	1,123,000	1934	1924
Sheep					
Inventory Jan. 1	1,780,000	1943	**86,000**	**1994**	1867
Lamb crop	1,298,000	1942	**80,000**	**1993**	1924
Wool production 2/ (annual)	11,032,000	1942	**700,000**	**1993**	1909
Layers and Egg Production					
Inventory Dec. 1 3/	31,231,000	1927	**6,835,000**	**1993**	1924
Egg Production 4/ (annual)	3,052,000,000	1944	1,149,000,000	1974	1925
Other Poultry					
Broilers Produced	**138,000,000**	**1993**	1,200,000	1934	1934
Turkeys Raised	21,500,000	1991	255,000	1930	1929

1/ These are the latest years that records were achieved. In some cases, these records were equaled in earlier years.
2/ Production in pounds.
3/ All chickens (excludes commercial broilers & turkeys).
4/ Production in eggs.

LIVESTOCK ON FARMS:
Missouri, January 1, 1990-94

Year	Milk Cows	Cattle and Calves on Feed
	-thousand head-	
1990	226	90
1991	230	105
1992	220	90
1993	230	105
1994	220	120

LIVESTOCK ON FARMS:
Number and Value, by Species, Missouri, January 1, 1990-94

Year	All Cattle and Calves			All Hogs and Pigs 1/			All Sheep and Lambs		
	Number	Value Per Head	Value Total	Number	Value Per Head	Value Total	Number	Value Per Head	Value Total
	-thous hd-	-dol-	-thous dol-	-thous hd-	-dol-	-thous dol-	-thous hd-	-dol-	-thous dol-
1990	4,400	595	2,618,000	2,700	75.00	202,500	138	78.00	10,764
1991	4,400	615	2,706,000	2,800	88.00	246,400	134	56.00	7,504
1992	4,500	575	2,587,500	2,700	66.00	178,200	111	53.00	5,883
1993	4,600	600	2,760,000	2,800	65.00	182,000	97	63.00	6,111
1994	4,800	615	2,952,000	3,000	75.00	225,000	86	59.00	5,074

1/ December 1 preceding year.

NUMBER OF LIVESTOCK OPERATIONS:
by Species, Missouri, 1989-93 1/

Year	Operations with Cattle	Operations with Beef Cows	Operations with Milk Cows	Operations with Hogs	Operations with Sheep
			-number-		
1989	83,000	67,000	8,500	16,000	3,500
1990	82,000	67,000	8,000	16,000	3,400
1991	80,000	65,000	7,500	15,000	3,400
1992	74,000	61,000	7,500	13,000	3,300
1993	71,000	62,000	7,500	11,000	3,100

1/ One or more head on hand at any time during year.

COMMERCIAL LIVESTOCK SLAUGHTER:
Number of Head and Liveweight, By Species, by Month, Missouri, 1992-93

Month	CATTLE Number		Average Liveweight		Total Liveweight		CALVES Number		Average Liveweight		Total Liveweight	
	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992	1993
	-thous head-		-pounds-		-thous pounds-		-thous head-		-pounds-		-thous pounds-	
Jan	24.5	19.1	1,050	1,092	25,751	20,806	0.3	0.2	343	400	95	84
Feb	19.6	15.5	1,055	1,076	20,631	16,653	0.2	0.2	334	395	78	68
Mar	21.3	18.2	1,071	1,119	22,818	20,314	0.3	0.2	382	352	99	80
Apr	19.5	17.6	1,047	1,091	20,445	19,216	0.2	0.2	369	367	83	67
May	20.0	15.0	1,074	1,104	21,506	16,524	0.2	0.1	368	364	67	54
Jun	19.8	15.6	1,067	1,053	21,082	16,456	0.2	0.2	356	374	70	56
Jul	18.3	13.8	1,088	1,125	19,944	15,545	0.2	0.2	356	356	68	55
Aug	16.4	16.2	1,093	1,100	17,956	17,764	0.2	0.2	389	375	76	60
Sep	18.5	16.5	1,091	1,091	20,201	17,971	0.2	0.1	366	350	75	50
Oct	22.8	17.5	1,150	1,094	26,214	19,090	0.3	0.2	366	386	97	83
Nov	18.7	17.2	1,132	1,078	21,161	18,546	0.2	0.2	363	369	73	66
Dec	23.3	18.4	1,076	1,056	25,032	19,382	0.3	0.2	362	395	97	83
Total	242.7	200.3	1,083	1,089	262,741	218,267	2.7	0.2	362	375	979	806

LIVESTOCK SLAUGHTER:
Number of Federally Inspected Plants and Head Slaughtered, Missouri, 1989-93

Year	Cattle Plants	Cattle Head Slaughtered	Hogs Plants	Hogs Head Slaughtered
	-number-	-thousands-	-number-	-thousands-
1989	98	315.2	90	3,596.8
1990	89	288.9	82	2,751.7
1991	82	235.3	1/	1/
1992	77	205.6	1/	1/
1993	73	176.6	1/	1/

1/ Discontinued

CATTLE AND CALVES:
Number on Farms, by Classes, Missouri, January 1, 1990-94

Class	1990	1991	1992	1993	1994
			-thousand head-		
All Cattle and Calves	4,400	4,400	4,500	4,600	4,800
All Cows That					
Have Calved	2,190	2,210	2,270	2,300	2,460
Beef Cows	1,964	1,980	2,050	2,070	2,240
Milk Cows	226	230	220	230	220
Heifers--500 Pounds & Over	625	640	615	660	710
Beef Cow Replacements	300	345	315	360	395
Milk Cow Replacements	102	105	110	100	95
Other	223	190	190	200	220
Steers--500 Pounds & Over	461	430	405	420	490
Bulls--500 Pounds & Over	110	110	110	120	125
Calves Under 500 Pounds	1,014	1,010	1,100	1,100	1,015

CATTLE AND CALVES:
Inventory, Calf Crop and Disposition, Missouri, 1989-93 1/

Year	On Hand January 1 All Cattle and Calves	On Hand January 1 All Cows That Have Calved	Calves Born	Inship-ments	Marketings 2/ Cattle	Marketings 2/ Calves	Farm Slaughter Cattle and Calves	Deaths Cattle	Deaths Calves
				-thousand head-					
1989	4,400	2,230	2,050	40	979	915	6	65	125
1990	4,400	2,190	2,030	40	927	918	10	75	140
1991	4,400	2,210	2,040	40	923	840	12	70	135
1992	4,500	2,270	2,100	40	920	895	10	70	145
1993	**4,600**	**2,300**	**2,200**	**40**	**742**	**1,050**	**8**	**75**	**165**

1/ Balance sheet estimates (in thousands). Total of marketings, farm slaughter, deaths, and on-hand at end of year equals total of calf crop, inshipments and on-hand beginning of year.
2/ Excludes inter-farm sales within the state.

CATTLE AND CALVES:
Production and Income, Missouri, 1989-93 1/

Year	Production	Marketings	Price per 100 lbs Cattle	Price per 100 lbs Calves	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	-thousand pounds-		-dollars-			-thousand dollars-		
1989	1,241,790	1,192,630	72.80	88.60	958,671	927,448	21,343	948,791
1990	1,157,870	1,148,000	78.90	93.80	969,493	961,793	26,731	988,524
1991	1,162,570	1,112,920	78.40	96.60	979,863	935,134	28,220	963,354
1992	1,228,830	1,134,750	72.70	88.30	950,666	882,145	23,447	905,592
1993	**1,271,385**	**1,045,650**	**75.50**	**92.80**	**1,029,373**	**863,868**	**22,995**	**886,863**

1/ Production and marketings are thousands of pounds; price per 100 lbs. is in dollars; value of production, cash receipts, value of home consumption, and gross income are all in thousands of dollars.

ALL CATTLE:

Percents of Operations and Inventory, By Size Groups, Missouri, 1989-93

Year	1-49 Head		50-99 Head		100-499 Head		500 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
	-percent-							
1989	67.5	23.3	17.5	22.8	14.4	45.6	0.6	8.3
1990	68.3	22.5	16.6	22.2	14.4	46.0	0.7	9.3
1991	66.3	21.1	17.0	20.7	16.0	48.1	0.8	10.1
1992	63.5	19.6	18.9	22.3	16.6	46.7	0.9	11.4
1993	**61.0**	**20.0**	**21.0**	**22.0**	**17.2**	**48.0**	**0.8**	**10.0**

BEEF COWS:

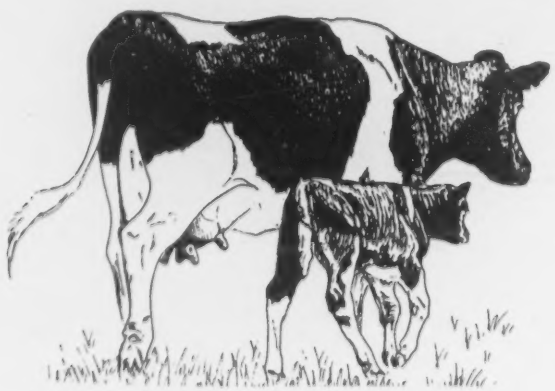
Percents of Operations and Inventory, By Size Groups, Missouri, 1989-93

Year	1-49 Head		50-99 Head		100 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory
	-percent-					
1989	84.8	50.5	10.6	23.5	4.6	26.0
1990	85.0	49.0	10.0	22.6	5.0	28.4
1991	83.1	46.3	11.8	25.1	5.1	28.5
1992	82.0	44.0	12.3	25.0	5.7	31.0
1993	**79.0**	**42.0**	**14.5**	**28.0**	**6.5**	**30.0**

MILK COWS:

Percents of Operations and Inventory, By Size Groups, Missouri, 1989-93

Year	1-29 Head		30-49 Head		50-99 Head		100 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
	-percent-							
1989	59.9	11.1	15.9	21.2	20.0	46.0	4.2	21.7
1990	55.0	9.6	17.5	20.9	22.5	46.5	5.0	23.0
1991	56.0	9.1	14.7	18.2	24.0	49.1	5.3	23.6
1992	54.7	6.6	16.0	15.2	24.0	39.1	5.3	39.1
1993	**54.7**	**6.5**	**16.0**	**15.2**	**24.0**	**39.1**	**5.3**	**39.2**



ALL CATTLE:

BEEF AND MILK COWS:

By Counties, Missouri, January 1, 1993 – 94

County	BEEF COWS 1993	BEEF COWS 1994	MILK COWS 1993	MILK COWS 1994	ALL CATTLE 1993	ALL CATTLE 1994	ALL CATTLE VALUE 1993	ALL CATTLE VALUE 1994
	– head –		– head –		– head –		– thous dollars –	
ADAIR	22,300	23,600	600	550	38,800	39,700	23,280	24,416
ANDREW	11,600	11,600	2,200	2,200	27,400	28,100	16,440	17,282
ATCHISON	10,000	10,600	100	100	22,900	23,300	13,740	14,330
AUDRAIN	14,400	14,800	1,200	1,250	42,900	44,200	25,740	27,183
BARRY	38,000	41,000	6,700	6,350	86,900	89,200	52,140	54,858
BARTON	22,900	25,000	1,700	1,650	48,100	50,700	28,860	31,181
BATES	37,100	40,600	2,750	2,650	95,600	99,400	57,360	61,131
BENTON	21,200	23,300	2,150	2,100	43,800	46,900	26,280	28,844
BOLLINGER	15,500	16,500	350	350	29,500	30,900	17,700	19,004
BOONE	19,100	21,000	350	350	39,800	41,200	23,880	25,338
BUCHANAN	7,400	7,900	1,100	1,100	17,400	17,200	10,440	10,578
BUTLER	4,700	5,300	50	50	8,700	9,300	5,220	5,720
CALDWELL	14,000	16,000	400	400	29,900	30,700	17,940	18,881
CALLAWAY	23,500	25,800	550	550	49,400	50,800	29,640	31,242
CAMDEN	12,900	14,000	1,500	1,450	26,900	27,700	16,140	17,036
CAPE GIRARDEAU	18,300	21,100	3,500	3,500	43,000	48,500	25,800	29,828
CARROLL	15,100	16,100	550	450	33,300	34,800	19,980	21,402
CARTER	4,300	4,100	50	50	7,600	8,300	4,560	5,105
CASS	27,700	30,500	1,850	1,750	54,700	56,800	32,820	34,932
CEDAR	24,300	26,700	900	850	48,800	52,300	29,280	32,165
CHARITON	18,500	19,600	450	450	45,200	46,100	27,120	28,352
CHRISTIAN	26,600	28,200	6,000	5,650	64,600	65,600	38,760	40,344
CLARK	10,700	11,100	200	250	18,600	20,300	11,160	12,485
CLAY	9,900	10,600	50	50	24,100	24,200	14,460	14,883
CLINTON	14,200	15,300	950	950	34,300	34,800	20,580	21,402
COLE	20,700	22,700	1,550	1,450	41,800	43,100	25,080	26,507
COOPER	21,400	23,000	700	700	51,100	53,000	30,660	32,595
CRAWFORD	16,400	17,800	300	300	31,600	32,200	18,960	19,803
DADE	34,200	39,400	1,550	1,500	69,900	73,200	41,940	45,018
DALLAS	22,400	24,700	8,650	8,300	59,600	61,800	35,760	38,007
DAVIESS	13,000	15,300	700	700	30,000	30,300	18,000	18,635
DEKALB	14,600	15,800	1,400	1,400	34,000	36,600	20,400	22,509
DENT	20,400	22,000	400	400	38,900	40,000	23,340	24,600
DOUGLAS	26,200	28,300	9,850	9,300	72,600	73,400	43,560	45,141
DUNKLIN	800	1,000	*	*	2,000	2,200	1,200	1,353
FRANKLIN	23,500	25,400	2,900	2,750	55,100	56,500	33,060	34,748
GASCONADE	15,000	16,100	700	650	31,700	32,800	19,020	20,172
GENTRY	17,900	18,900	350	350	34,700	38,500	20,820	23,678
GREENE	41,000	45,200	8,500	8,100	97,700	99,700	58,620	61,316
GRUNDY	11,000	13,100	550	500	24,000	25,000	14,400	15,375
HARRISON	27,500	29,200	450	450	49,900	51,800	29,940	31,857
HENRY	29,500	32,400	1,450	1,400	64,100	67,900	38,460	41,759
HICKORY	16,700	17,500	2,350	2,250	39,200	41,100	23,520	25,277
HOLT	6,200	6,200	100	100	12,300	12,800	7,380	7,872
HOWARD	14,300	15,300	250	200	29,000	30,000	17,400	18,450
HOWELL	37,200	40,300	7,400	7,000	95,900	98,600	57,540	60,639
IRON	5,300	5,800	*	*	12,000	12,500	7,200	7,688
JACKSON	9,000	8,500	450	450	19,000	18,500	11,400	11,378
JASPER	27,500	30,300	4,100	3,900	60,200	62,700	36,120	38,561
JEFFERSON	7,400	7,900	2,100	2,100	18,100	18,800	10,860	11,562
JOHNSON	37,400	41,400	1,150	1,050	76,300	83,700	45,780	51,476
KNOX	15,100	15,500	800	750	29,000	31,200	17,400	19,188
LACLEDE	28,600	30,800	10,900	10,150	74,400	78,200	44,640	48,093
LAFAYETTE	20,400	23,300	1,850	1,800	53,200	56,300	31,920	34,625
LAWRENCE	44,300	48,600	10,350	9,850	110,200	112,200	66,120	69,003
LEWIS	12,600	13,300	400	400	25,900	28,300	15,540	17,405
LINCOLN	11,000	11,700	1,800	1,750	32,600	33,900	19,560	20,849
LINN	23,900	25,700	1,350	1,250	51,700	53,000	31,020	32,595
LIVINGSTON	12,200	11,000	500	500	20,600	21,900	12,360	13,469
MCDONALD	25,500	27,900	2,150	2,000	50,600	53,500	30,360	32,903
MACON	25,200	26,400	550	500	48,000	51,000	28,800	31,365
MADISON	9,900	10,500	*	*	20,100	20,000	12,060	12,300
MARIES	23,700	25,700	1,100	1,150	47,500	49,700	28,500	30,566
MARION	11,300	11,700	1,250	1,200	25,300	27,000	15,180	16,605
MERCER	15,500	16,600	250	250	27,600	28,700	16,560	17,651

ALL CATTLE:

BEEF AND MILK COWS:

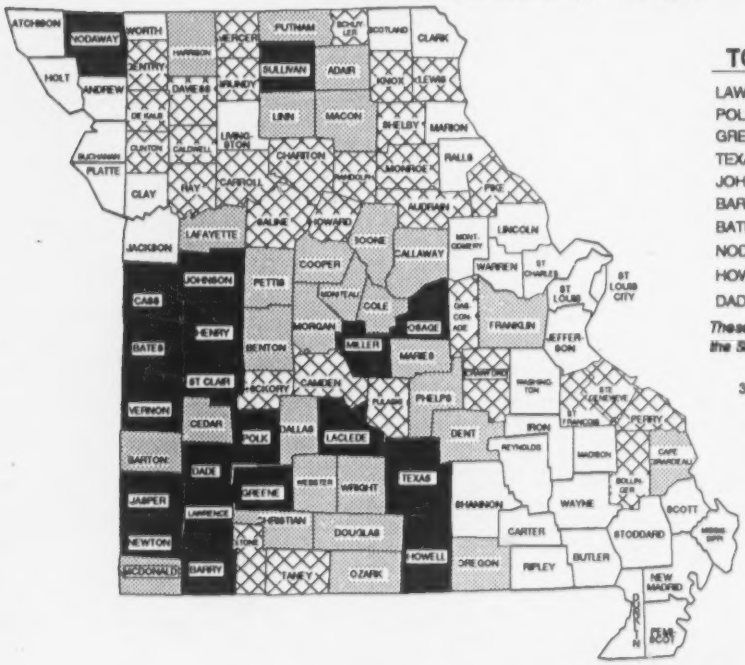
By Counties, Missouri, January 1, 1993 – 94

County	BEEF COWS 1993	BEEF COWS 1994	MILK COWS 1993	MILK COWS 1994	ALL CATTLE 1993	ALL CATTLE 1994	ALL CATTLE VALUE 1993	ALL CATTLE VALUE 1994
	– head –		– head –		– head –		– thous dollars –	
MILLER	27,800	30,500	600	600	54,500	56,500	32,700	34,748
MISSISSIPPI	1,200	1,300	*	*	2,300	2,700	1,380	1,661
MONITEAU	25,300	27,700	1,150	1,150	54,200	56,900	32,520	34,994
MONROE	17,900	18,700	750	750	38,800	41,900	23,280	25,769
MONTGOMERY	9,700	10,300	50	50	21,600	22,300	12,960	13,715
MORGAN	21,000	23,100	2,050	2,050	45,000	47,200	27,000	29,028
NEW MADRID	500	600	*	*	600	700	360	431
NEWTON	34,700	38,000	5,150	4,950	72,400	73,200	43,440	45,018
NODAWAY	37,800	40,500	800	800	72,300	76,800	43,380	47,232
OREGON	24,400	26,300	2,050	1,900	55,900	57,000	33,540	35,055
OSAGE	35,600	39,000	1,550	1,500	71,500	74,100	42,900	45,572
OZARK	23,000	25,300	6,300	6,050	58,900	64,000	35,340	39,360
PEMISCOT	300	400	*	*	1,000	1,100	600	677
PERRY	14,300	15,300	2,300	2,150	41,700	42,700	25,020	26,261
PETTIS	24,900	26,600	1,350	1,300	55,000	57,400	33,000	35,301
PHELPS	18,700	20,400	200	200	33,800	34,300	20,280	21,095
PIKE	17,400	19,000	400	400	41,500	44,500	24,900	27,368
PLATTE	8,600	9,200	100	100	16,100	16,300	9,660	10,025
POLK	42,200	46,200	11,250	10,800	107,600	112,200	64,560	69,003
PULASKI	12,800	13,900	650	650	25,100	26,200	15,060	16,113
PUTNAM	25,100	26,800	450	400	52,000	56,200	31,200	34,563
RALLS	11,600	11,200	300	300	21,100	21,500	12,660	13,223
RANDOLPH	11,800	12,300	300	250	26,000	27,700	15,600	17,036
RAY	15,500	16,300	200	200	34,600	36,900	20,760	22,694
REYNOLDS	5,800	6,200	50	50	10,900	10,800	6,540	6,642
RIPLEY	10,900	11,600	50	50	20,700	20,400	12,420	12,546
ST CHARLES	5,500	5,800	1,350	1,300	13,900	14,600	8,340	8,979
ST CLAIR	27,400	30,100	1,000	950	51,700	54,500	31,020	33,518
STE GENEVIEVE	13,400	14,200	250	250	30,500	31,100	18,300	19,127
ST FRANCOIS	12,100	12,800	450	400	25,700	26,700	15,420	16,421
ST LOUIS	1,600	1,700	100	100	2,400	2,500	1,440	1,538
SALINE	17,200	18,800	150	100	40,800	41,700	24,480	25,646
SCHUYLER	13,700	14,700	600	550	26,100	27,200	15,660	16,728
SCOTLAND	10,700	10,600	1,650	1,650	25,400	27,100	15,240	16,667
SCOTT	4,000	4,100	350	350	11,700	13,000	7,020	7,995
SHANNON	10,800	11,500	400	300	19,400	20,600	11,640	12,669
SHELBY	13,300	14,100	50	50	31,500	34,000	18,900	20,910
STODDARD	5,200	6,200	100	100	10,700	12,500	6,420	7,688
STONE	15,300	16,400	5,300	5,050	39,400	40,000	23,640	24,600
SULLIVAN	30,700	34,100	350	350	56,700	58,700	34,020	36,101
TANEY	14,000	15,100	700	700	26,500	29,000	15,900	17,835
TEXAS	40,000	45,100	12,750	12,350	101,000	105,400	60,600	64,821
VERNON	32,200	36,500	2,100	2,100	66,600	70,600	39,960	43,419
WARREN	5,400	5,700	150	150	13,600	13,900	8,160	8,549
WASHINGTON	9,700	10,300	50	50	21,500	22,000	12,900	13,530
WAYNE	6,500	7,200	50	50	12,700	13,500	7,620	8,303
WEBSTER	25,600	26,800	15,150	14,200	80,500	85,100	48,300	52,337
WORTH	11,800	11,600	100	100	20,100	21,700	12,060	13,346
WRIGHT	25,200	27,400	21,450	20,250	86,900	90,500	52,140	55,658
DISTRICTS								
NORTHWEST	220,000	235,000	9,000	9,000	460,000	480,000	276,000	295,200
NORTH CENTRAL	225,000	240,000	6,500	6,000	450,000	470,000	270,000	289,050
NORTHEAST	135,000	140,000	7,000	7,000	300,000	320,000	180,000	196,800
WEST CENTRAL	245,000	270,000	13,500	13,000	530,000	560,000	318,000	344,400
CENTRAL	450,000	490,000	49,000	47,000	990,000	1,030,000	594,000	633,450
EAST CENTRAL	145,000	155,000	12,500	12,000	340,000	350,000	204,000	215,250
SOUTHWEST	310,000	340,000	51,500	49,000	700,000	720,000	420,000	442,800
SOUTH CENTRAL	305,000	330,000	77,000	73,000	750,000	780,000	450,000	479,700
SOUTHEAST	35,000	40,000	4,000	4,000	80,000	90,000	48,000	55,350
STATE	2,070,000	2,240,000	230,000	220,000	4,600,000	4,800,000	2,760,000	2,952,000

* Milk Cows, less than 50 head

BEEF COW NUMBERS

By Counties, January 1, 1994



TOP TEN COUNTIES

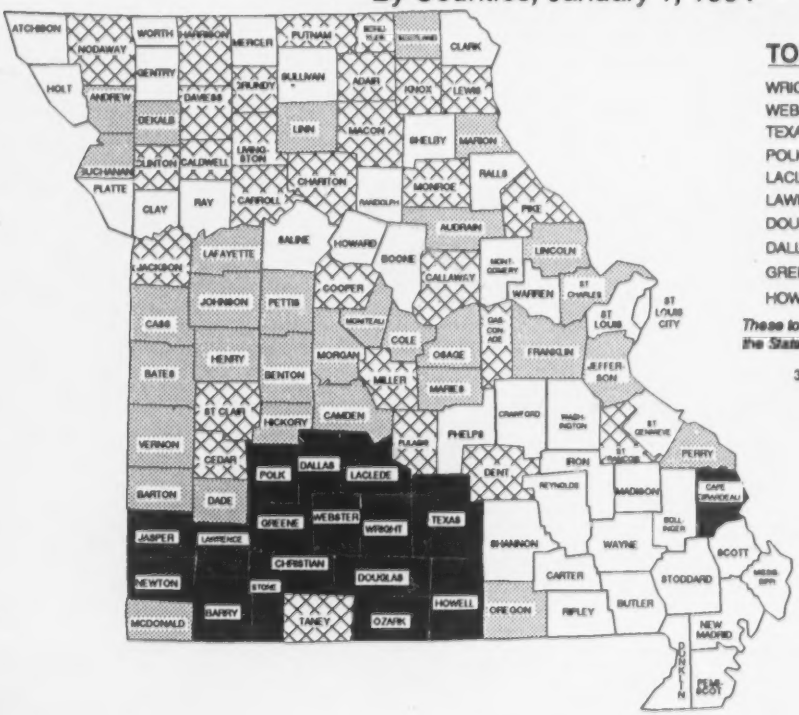
LAWRENCE	48,600 head
POLK	46,200 head
GREENE	45,200 head
TEXAS	45,100 head
JOHNSON	41,400 head
BARRY	41,000 head
BATES	40,600 head
NODAWAY	40,500 head
HOWELL	40,300 head
DADE	39,400 head

These top ten counties represent 19% of the State's total beef cow numbers.

30,000 head and Above
20,000 - 29,999 head
12,000 - 19,999 head
Under 12,000 head

MILK COW NUMBERS

By Counties, January 1, 1994



TOP TEN COUNTIES

WRIGHT	20,250 head
WEBSTER	14,200 head
TEXAS	12,350 head
POLK	10,800 head
LACLEDE	10,150 head
LAWRENCE	9,850 head
DOUGLAS	9,300 head
DALLAS	8,300 head
GREENE	8,100 head
HOWELL	7,000 head

These top ten counties represent 50.1% of the State's total milk cow numbers.

3,000 head and Above
1,000 - 2,999 head
400 - 999 head
Under 400 head

MILK COWS:
Number on Farms, by Months, Missouri, 1989-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-thousand head-						
1989	233	232	232	230	229	227	225	225	225	227	228	228
1990	227	227	227	229	231	232	231	231	230	231	230	230
1991	230	229	229	229	228	227	226	225	224	224	220	220
1992	224	225	225	226	228	229	229	229	228	228	226	226
1993	**225**	**223**	**221**	**223**	**222**	**223**	**223**	**223**	**222**	**220**	**220**	**218**

MILK PRODUCTION:
Average per Milk Cow, by Months, Missouri, 1989-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-pounds-						
1989	1,075	975	1,110	1,185	1,210	1,090	1,090	1,070	1,025	1,065	1,045	1,085
1990	1,120	1,025	1,185	1,200	1,220	1,090	1,070	1,070	1,015	1,070	1,065	1,110
1991	1,065	975	1,120	1,165	1,160	1,040	1,030	1,015	970	1,045	1,025	1,070
1992	1,100	1,060	1,160	1,170	1,210	1,100	1,075	1,055	995	1,050	1,030	1,090
1993	**1,085**	**1,010**	**1,140**	**1,155**	**1,210**	**1,105**	**1,080**	**1,015**	**970**	**990**	**970**	**1,020**

MILK PRODUCTION:
Total Milk Produced, by Months, Missouri, 1989-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-million pounds-						
1989	250	226	258	273	277	247	245	241	231	242	238	247
1990	254	233	269	275	282	253	247	247	233	247	245	255
1991	245	223	257	267	264	236	233	228	217	235	225	235
1992	246	239	261	264	276	252	246	242	227	239	233	246
1993	**244**	**225**	**252**	**258**	**269**	**246**	**241**	**226**	**215**	**218**	**213**	**222**

MILK COWS AND PRODUCTION OF MILK AND MILKFAT:
Annual Averages, Missouri, 1989-93

		Per Milk Cow			Total	
Year	Milk Cows	Milk	Milkfat	Milkfat Test	Milk	Milkfat
	-thous head-	-pounds-		-percent-	-million pounds-	
1989	228	13,048	480	3.68	2,975	110
1990	230	13,217	480	3.63	3,040	110
1991	226	12,677	463	3.65	2,865	105
1992	227	13,088	475	3.63	2,971	108
1993	**222**	**12,743**	**460**	**3.61**	**2,829**	**102**

MILK DISPOSITION, INCOME AND VALUE: Missouri, 1989-93

Year	MILK USED WHERE PRODUCED		MILK MARKETED BY PRODUCERS				
	Used For Milk, Cream and Butter	Fed to Calves	Milk Marketed	Price per Cwt.	Cash Receipts	Gross Producer Income	Value of Milk Produced
	million pounds			dollars	thousand dollars		
1989	15	40	2,920	13.30	388,360	390,355	395,675
1990	15	40	2,985	13.60	405,960	408,000	413,440
1991	15	45	2,805	11.90	333,795	335,580	340,935
1992	15	45	2,911	13.00	378,430	380,380	386,230
1993	**12**	**39**	**2,778**	**12.80**	**355,584**	**257,120**	**362,112**

MANUFACTURED DAIRY PRODUCTS:
Quantity by Type, Missouri, 1989-93

Year	Butter	American Type Cheese	Total Cheese 1/	Cottage Cheese Curd 2/	Ice Cream 3/
	-thousand pounds-				-thous gal-
1989	14,979	78,604	191,757	19,220	15,481
1990	15,416	70,874	189,505	4/	13,460
1991	14,531	57,822	191,087	4/	14,642
1992	4/	4/	239,234	4/	12,153
1993	**4/**	**4/**	**205,944**	**18,064**	**15,426**

1/ Excluding cottage cheese.
2/ Mostly used for processing into fully creamed or lowfat cottage cheese.
3/ Includes both hard and soft ice cream.
4/ Not published to avoid disclosure of individual plant operations.

HOG NUMBERS

By Counties, December 1, 1993

TOP TEN COUNTIES

MERCER. . . . 155,000 head
SALINE . . . . . 110,000 head
SHELBY . . . . 101,000 head
LAFAYETTE . 100,000 head
NODAWAY . . . 99,500 head
OSAGE . . . . . 93,000 head
PIKE. . . . . .92,200 head
MONROE . . . . 80,000 head
VERNON. . . . . 73,700 head
LINCOLN . . . . 71,200 head

These top ten counties represent 32.5% of the State's total hog numbers.

50,000 head and Above
25,000 - 49,999 head
10,000 - 24,999 head
Under 10,000 head

HOGS AND PIGS:

Production and Income, Missouri, 1989-93

Year	Production	Marketings	Price per 100 Pounds	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	-thousand pounds-		*-dollars-*		*-thousand dollars-*		
1989	1,078,222	1,110,887	42.10	460,134	474,581	2,671	477,252
1990	1,039,718	1,026,557	53.80	571,511	565,809	3,086	568,895
1991	1,090,692	1,098,837	47.90	533,031	538,604	2,500	541,104
1992	1,079,528	1,078,257	41.00	449,134	452,102	1,989	454,091
1993	**1,158,527**	**1,149,016**	**44.70**	**523,888**	**527,297**	**964**	**528,261**

Inventory, Pig Crop and Disposition, Missouri, 1989-93 1/

Year	On Hand December 1 Preceding Year	PIG CROP Dec-May	PIG CROP Jun-Nov	Inshipments	Marketings 2/	Farm Slaughter	Deaths
			-thousand head-				
1989	2,850	2,500	2,355	20	4,786	9	230
1990	2,700	2,396	2,385	32	4,485	8	220
1991	2,800	2,484	2,364	40	4,815	8	165
1992	2,700	2,505	2,480	132	4,835	11	171
1993	**2,800**	**2,544**	**2,687**	**258**	**5,094**	**2**	**203**

1/ Balance sheet estimates. Total of marketings, farm slaughter, deaths and on-hand end of year equals total of pig crop, inshipments and on-hand beginning of year. Disposition items for the 12-month period December preceding year through November of year shown.

2/ Excludes interfarm sales.

HOGS AND PIGS:

By Counties, Missouri, December 1, 1992 – 93

County	1992	1993	VALUE 1992	1993
	– head –		– thous dollars –	
ADAIR	11,800	12,700	779	952
ANDREW	35,700	35,900	2,357	2,693
ATCHISON	21,100	23,000	1,393	1,725
AUDRAIN	67,000	68,200	4,423	5,115
BARRY	11,800	12,000	781	900
BARTON	18,900	22,000	1,251	1,650
BATES	20,700	21,800	1,366	1,635
BENTON	17,200	17,800	1,135	1,335
BOLLINGER	18,100	18,600	1,192	1,395
BOONE	30,200	29,600	1,993	2,220
BUCHANAN	13,900	13,900	918	1,043
BUTLER	1,200	1,200	79	90
CALDWELL	32,000	34,200	2,113	2,565
CALLAWAY	34,200	34,600	2,257	2,595
CAMDEN	900	1,000	59	75
CAPE GIRARDE	23,300	23,000	1,538	1,725
CARROLL	53,000	52,600	3,498	3,945
CARTER	3,900	4,400	257	330
CASS	32,000	30,300	2,111	2,272
CEDAR	6,600	7,500	435	563
CHARITON	49,300	50,500	3,254	3,788
CHRISTIAN	2,300	2,200	152	165
CLARK	30,700	32,400	2,026	2,430
CLAY	6,900	7,100	456	533
CLINTON	28,000	28,900	1,849	2,168
COLE	18,100	18,600	1,195	1,395
COOPER	57,600	64,000	3,802	4,800
CRAWFORD	5,700	5,300	376	397
DADE	10,900	11,700	721	878
DALLAS	3,900	4,000	251	300
DAVIESS	24,100	25,300	1,592	1,897
DEKALB	20,600	23,000	1,360	1,725
DENT	4,600	4,600	303	345
DOUGLAS	2,200	2,100	145	158
DUNKLIN	800	700	53	52
FRANKLIN	63,100	67,000	4,163	5,025
GASCONADE	27,900	30,100	1,841	2,258
GENTRY	36,800	39,700	2,430	2,977
GREENE	5,000	5,100	331	382
GRUNDY	17,100	17,600	1,129	1,320
HARRISON	19,600	21,100	1,294	1,583
HENRY	24,800	24,900	1,636	1,868
HICKORY	4,600	4,500	304	337
HOLT	19,700	22,300	1,301	1,673
HOWARD	21,400	21,400	1,412	1,605
HOWELL	14,100	13,600	929	1,020
IRON	600	700	40	53
JACKSON	2,600	2,400	172	180
JASPER	5,700	5,800	377	435
JEFFERSON	3,000	2,900	198	218
JOHNSON	27,200	29,800	1,794	2,235
KNOX	33,500	35,700	2,211	2,677
LACLEDE	4,300	4,400	284	330
LAFAYETTE	99,400	100,000	6,558	7,500
LAWRENCE	8,500	8,700	562	652
LEWIS	32,300	35,000	2,132	2,625
LINCOLN	69,500	71,200	4,586	5,340
LINN	30,600	34,000	2,019	2,550
LIVINGSTON	16,800	17,800	1,109	1,335
MCDONALD	33,500	40,000	2,216	3,000
MACON	26,200	27,900	1,729	2,093
MADISON	11,200	11,100	738	832
MARIES	19,200	20,600	1,267	1,545
MARION	30,200	32,000	1,993	2,400
MERCER	98,300	155,000	6,487	11,625
MILLER	58,100	67,200	3,835	5,040
MISSISSIPPI	10,400	10,300	686	773
MONITEAU	46,500	50,700	3,069	3,802
MONROE	71,700	80,000	4,733	6,000
MONTGOMERY	48,400	51,600	3,193	3,870
MORGAN	38,700	42,700	2,554	3,203
NEW MADRID	3,200	3,100	211	233
NEWTON	1,300	1,500	86	113
NODAWAY	93,400	99,500	6,168	7,460
OREGON	19,500	21,000	1,284	1,575
OSAGE	87,400	93,000	5,769	6,975
OZARK	5,000	5,500	329	413
PEMISCOT	800	700	53	52
PERRY	33,700	35,700	2,224	2,678
PETTIS	60,700	63,500	4,006	4,763
PHELPS	5,300	5,000	350	375
PIKE	92,200	92,200	6,086	6,915
PLATTE	13,400	14,000	885	1,050
POLK	11,000	11,400	726	855
PULASKI	1,100	1,000	73	75
PUTNAM	5,900	6,500	389	488
RALLS	26,000	26,000	1,716	1,950
RANDOLPH	15,100	16,000	997	1,200
RAY	20,500	20,500	1,354	1,538
REYNOLDS	3,000	3,100	198	233
RIPLEY	3,500	3,400	231	255
ST CHARLES	32,200	33,500	2,125	2,512
ST CLAIR	13,600	13,600	897	1,020
STE GENEVIEVE	21,600	23,800	1,425	1,785
ST FRANCOIS	3,000	3,100	198	232
ST LOUIS	400	400	26	30
SALINE	107,700	110,000	7,108	8,250
SCHUYLER	7,700	8,300	508	622
SCOTLAND	21,000	23,500	1,386	1,763
SCOTT	12,200	11,700	805	878
SHANNON	3,500	3,500	231	263
SHELBY	87,400	101,000	5,768	7,575
STODDARD	9,100	9,300	600	697
STONE	1,100	1,000	73	75
SULLIVAN	15,200	16,100	1,003	1,207
TANEY	1,000	900	66	67
TEXAS	3,400	3,300	224	247
VERNON	72,100	73,700	4,756	5,527
WARREN	39,100	41,000	2,580	3,075
WASHINGTON	4,400	4,400	290	330
WAYNE	4,600	4,700	303	352
WEBSTER	17,200	19,500	1,133	1,462
WORTH	10,300	11,600	680	870
WRIGHT	10,600	10,000	698	750

DISTRICTS

NORTHWEST	396,000	420,000	26,150	31,500
NORTH CENTRAL	347,000	415,000	22,900	31,125
NORTHEAST	492,000	526,000	32,475	39,450
WEST CENTRAL	299,000	304,000	19,725	22,800
CENTRAL	628,000	665,000	41,450	49,875
EAST CENTRAL	352,000	370,000	23,225	27,750
SOUTHWEST	99,000	110,000	6,550	8,250
SOUTH CENTRAL	126,000	130,000	8,300	9,750
SOUTHEAST	61,000	60,000	4,025	4,500
STATE	2,800,000	3,000,000	184,800	225,000

HOGS AND PIGS:

Total Inventory, Breeding And Market Numbers, Market Numbers by Weight Groups, Quarterly, Missouri, 1989-93

Year	Total Number	For Breeding	Total Market	Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. & Over
			-thousand head-				
				March 1			
1989	2,800	425	2,375	980	555	465	375
1990	2,550	370	2,180	850	510	450	370
1991	2,700	410	2,290	875	550	460	405
1992	2,650	375	2,275	915	540	450	370
1993	**2,750**	**380**	**2,370**	**950**	**610**	**450**	**360**
				June 1			
1989	2,850	390	2,460	1,130	590	405	335
1990	2,900	410	2,490	1,160	600	390	340
1991	2,900	410	2,490	1,170	580	390	350
1992	2,900	395	2,505	1,170	590	420	325
1993	**3,300**	**425**	**2,875**	**1,250**	**700**	**535**	**390**
				September 1			
1989	2,800	385	2,415	1,020	560	445	390
1990	2,750	400	2,350	990	540	430	390
1991	2,750	375	2,375	985	545	460	385
1992	2,900	385	2,515	1,065	560	470	420
1993	**2,950**	**405**	**2,545**	**1,060**	**585**	**490**	**410**
				December 1			
1989	2,700	360	2,340	900	590	485	365
1990	2,800	405	2,395	985	600	455	355
1991	2,700	380	2,320	935	565	440	380
1992	2,800	370	2,430	950	630	445	405
1993	**3,000**	**435**	**2,565**	**1,025**	**625**	**480**	**435**

HOGS AND PIGS:

Percents of Operations and Inventory, By Size Groups, Missouri, 1989-93

Year	1-99 Head		100-499 Head		500 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory
			-percent-			
1989	63.0	10.5	29.0	38.5	8.0	51.0
1990	62.0	10.0	29.5	39.0	8.5	51.0
1991	62.0	9.0	28.0	34.5	10.0	56.5
1992	55.0	8.0	33.0	33.0	12.0	59.0
1993	**50.0**	**6.5**	**34.5**	**27.0**	**15.5**	**66.5**

SPRING PIG CROP:

Sows Farrowed, Pigs Per Litter and Pig Crop, Missouri, 1989-93

Year	Sows Farrowed			Pigs Per Litter			Pig Crop		
	Dec 1/-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May
		-thousands-			-head-			-thousands-	
1989	155	180	335	7.30	7.60	7.46	1,132	1,368	2,500
1990	130	180	310	7.70	7.75	7.73	1,001	1,395	2,396
1991	140	185	325	7.70	7.60	7.64	1,078	1,406	2,484
1992	145	175	320	7.80	7.85	7.83	1,131	1,374	2,505
1993	**145**	**180**	**325**	**7.80**	**7.85**	**7.83**	**1,131**	**1,413**	**2,544**

1/ December preceding year.

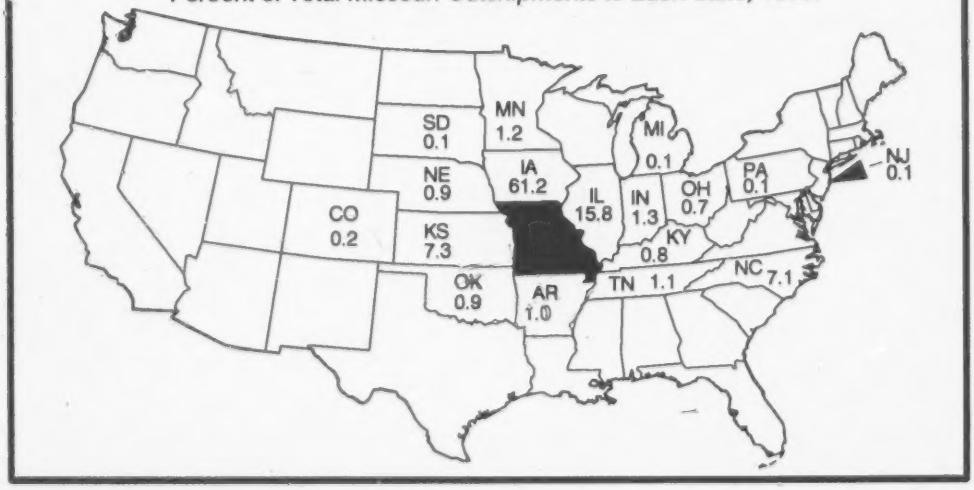
FALL PIG CROP:

Sows Farrowed, Pigs Per Litter and Pig Crop, Missouri, 1989-93

Year	Sows Farrowed			Pigs Per Litter			Pig Crop		
	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov
		-thousands-			-head-			-thousands-	
1989	155	160	315	7.50	7.45	7.48	1,163	1,192	2,355
1990	150	175	325	7.50	7.20	7.34	1,125	1,260	2,385
1991	155	155	310	7.45	7.80	7.63	1,155	1,209	2,364
1992	160	160	320	7.70	7.80	7.75	1,232	1,248	2,480
1993	**165**	**175**	**340**	**7.80**	**8.00**	**7.90**	**1,287**	**1,400**	**2,687**

FEEDER PIG OUTSHIPMENTS

Percent of Total Missouri Outshipments to Each State; 1993.



FEEDER PIGS SHIPPED OUT OF MISSOURI, By Months, 1989-93 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
						-number of head-							
1989	41,705	37,075	35,919	45,049	52,614	52,701	41,588	38,431	37,703	40,972	38,101	38,687	500,545
1990	43,760	37,220	36,104	54,293	46,975	51,686	55,959	42,271	37,437	48,998	48,747	58,685	562,135
1991	45,793	36,014	42,119	53,436	58,592	62,503	55,860	55,558	51,912	53,646	38,255	65,393	619,081
1992	54,529	59,319	45,857	68,569	35,181	68,057	62,533	49,502	87,876	60,702	64,555	71,016	747,696
1993	**41,796**	**57,506**	**66,010**	**52,846**	**44,820**	**71,551**	**66,044**	**61,638**	**71,504**	**51,648**	**61,712**	**78,130**	**725,205**

1/ Source: Missouri Department of Agriculture, Animal Health Division.

POULTRY:

EGGS:
Production and Value, Missouri, 1989-93

Year 1/	Eggs Produced	Price Per Dozen	Value of Production
	-millions-	-cents-	-thous. dol.-
1989	1,485	54.0	66,825
1990	1,580	55.4	72,943
1991	1,622	51.5	69,611
1992	1,633	41.0	55,794
1993	**1,644**	**45.8**	**62,746**

1/ Estimates cover the 12 month period, beginning December 1 of the previous year.

COMMERCIAL BROILERS:
Production and Value, Missouri, 1989-93

Year 1/	Number Produced	Production	Price per Pound	Value of Production
	-thous. head-	-thous. lbs.-	-cents-	-thous. dol.-
1989	70,100	308,440	38.0	117,207
1990	88,200	361,620	34.0	122,951
1991	114,000	478,800	32.5	155,610
1992	126,000	541,800	34.0	184,212
1993	**138,000**	**579,600**	**37.0**	**214,452**

1/ Estimates cover the 12 month period, beginning December 1 of the previous year.

CHICKENS:
Number on Farms, by Classes, Missouri, December 1, 1989-93

Year	All Chickens (Except Broilers)	Hens and Pullets of Laying Age			Pullets Not of Laying Age		Other Chickens
		Hens 1 year & Older	Pullets of Laying Age	Total	3 Months Old or Older	Under 3 Months Old	
			-thousand head-				
1989	8,000	2,700	3,800	6,500	530	900	70
1990	8,000	3,000	3,550	6,550	450	910	90
1991	7,600	2,545	4,230	6,775	390	365	70
1992	7,240	3,085	3,915	7,000	540	460	45
1993	**8,425**	**4,765**	**2,070**	**6,835**	**610**	**950**	**30**

CHICKENS:
Lost, Sold, and Value of Sales, Missouri, 1989-1993

Year 1/	Number Lost 2/	Number Sold	Pounds Sold	Price Per Pound	Value of Sales
	-thousand head-		-thous lbs-	-cents-	-thous dol-
1989	950	4,500	18,000	13.0	2,340
1990	960	4,000	16,000	7.0	1,120
1991	940	4,000	16,800	5.0	840
1992	730	4,600	19,780	13.3	2,631
1993	**680**	**4,000**	**19,600**	**19.0**	**3,724**

1/ Estimates cover the 12 month period, December 1 previous year through November 30 and excludes broilers.
2/ Includes deaths and other losses during the 12 month period.

TURKEYS:
Production and Value, Missouri, 1989-93

Year 1/	Number Raised	Pounds Produced 2/	Price Per Pound 3/	Value of Production
	-thous head-	-thous lbs-	-cents-	-thous dol-
1989	17,300	352,920	41.0	144,697
1990	18,000	360,000	41.0	147,600
1991	21,500	451,500	38.0	171,570
1992	20,500	430,500	38.0	163,590
1993	**21,000**	**447,300**	**40.0**	**178,920**

1/ Based on turkeys placed Sept. 1 previous year through Aug. 31 current year. Excludes young turkeys lost.
2/ Includes home consumption.
3/ Live weight equivalent price.

LAYERS ON FARMS:

Average Number, by Months, Missouri, 1989-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-thousands-						
1989	6,035	6,225	6,235	6,145	6,185	6,250	6,200	6,185	6,185	6,225	6,400	6,456
1990	6,485	6,565	6,505	6,370	6,300	6,200	6,185	6,310	6,375	6,425	6,500	6,570
1991	6,670	6,688	6,523	6,358	6,333	6,340	6,310	6,425	6,620	6,760	6,798	6,700
1992	6,575	6,688	6,593	6,518	6,468	6,423	6,463	6,555	6,665	6,798	6,930	6,763
1993	**6,594**	**6,635**	**6,575**	**6,508**	**6,488**	**6,495**	**6,426**	**6,526**	**6,678**	**6,828**	**6,864**	**6,740**

EGG PRODUCTION:

Eggs per 100 Layers, by Months, Missouri, 1989-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-number of eggs-						
1989	1,939	1,815	2,053	2,050	2,102	2,016	2,097	2,037	1,956	2,008	1,969	2,060
1990	2,020	1,843	2,121	2,025	2,079	2,081	2,118	2,076	2,008	2,148	2,154	2,100
1991	2,009	1,854	2,192	2,076	2,084	2,019	2,124	2,179	2,039	2,071	2,089	2,149
1992	2,097	1,959	2,169	2,056	1,964	1,977	2,104	2,090	2,041	2,074	1,977	1,996
1993	**1,987**	**1,839**	**2,144**	**2,136**	**2,204**	**2,109**	**2,116**	**2,115**	**2,037**	**2,109**	**2,069**	**2,166**

EGG PRODUCTION:

Number of Eggs Produced, by Months, Missouri, 1989-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-million eggs-						
1989	117	113	128	126	130	126	130	126	121	125	126	133
1990	131	121	138	129	131	129	131	131	128	138	140	138
1991	134	124	143	132	132	128	134	140	135	140	142	144
1992	140	131	143	134	127	127	136	137	136	141	137	135
1993	**131**	**122**	**141**	**139**	**143**	**137**	**136**	**138**	**136**	**144**	**142**	**146**

EGG-TYPE CHICKS:

Number Hatched at Commercial Hatcheries, by Months, Missouri, 1989-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
						-thousands-							
1989	726	624	1,051	1,320	1,138	763	886	732	947	785	545	651	10,168
1990	307	455	789	1,145	873	944	675	696	743	451	356	550	7,984
1991	398	343	921	1,058	798	571	515	439	418	361	313	401	6,536
1992	345	359	871	707	731	540	497	615	400	482	313	381	6,241
1993	**481**	**472**	**967**	**750**	**632**	**709**	**504**	**758**	**357**	**324**	**313**	**411**	**6,678**

SHEEP AND LAMBS:

Number on Farms, by Class and Lamb Crop, Missouri, January 1, 1990-94

Year	ALL SHEEP & LAMBS	ALL SHEEP & LAMBS ON FEED	STOCK SHEEP					LAMB CROP
			LAMBS		1 YEAR & OLDER			
			Ewes	Rams & Wethers	Ewes	Rams & Whethers	Total	
			-thousand head-					
1990	138	18	12	3	100	5	120	110
1991	134	17	12	3	95	7	117	95
1992	111	15	10	6.5	75	4.5	96	80
1993	97	20	6	3	64	4	77	80
1994	**86**	**12**	**6**	**4**	**60**	**4**	**74**	**---**

SHEEP AND LAMBS:

Number on Farms and Value, by Districts, Missouri, January 1, 1992-94

District	1992 Total		1993 Total		1994 Total	
	Number	Value	Number	Value	Number	Value
	-thous-	-thous dol-	-thous-	-thous dol-	-thous-	-thous dol-
Northwest	18.0	954	14.0	882	12.0	708
North Central	27.0	1,431	25.0	1,575	23.5	1,378
Northeast	20.5	1,087	16.0	1,008	13.5	797
West Central	8.0	424	7.5	473	7.0	413
Central	15.0	795	14.0	882	13.0	767
East Central	7.0	371	6.5	409	5.5	324
Southwest	5.5	292	6.0	378	5.5	324
South Central & Southeast	10.0	530	8.0	504	6.0	354
State	**111.0**	**5,883**	**97.0**	**6,111**	**86.0**	**5,074**

SHEEP AND LAMBS:

Production and Income, Missouri, 1989-93

Year	Production	Marketings	Price per 100 lbs.		Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	-thousand pounds-		-dollars-		-thousand dollars-			
1989	9,340	7,849	24.30	62.90	5,247	4,833	127	4,960
1990	9,283	9,992	19.70	50.80	4,252	4,467	63	4,530
1991	7,049	10,489	18.50	48.40	3,153	3,837	68	3,905
1992	5,843	8,085	26.00	57.40	2,941	3,649	50	3,699
1993	**5,740**	**7,331**	**26.00**	**58.40**	**3,280**	**3,905**	**20**	**3,925**

WOOL:

Production and Value, Missouri, 1989-93

Year	Sheep Shorn	Weight per Fleece	Wool Produced	Season Average Price Per Pound	Value of Production
	-thous head-	-pounds-	-thous lbs-	-cents-	-thous dol-
1989	126	7.1	889	75	667
1990	120	6.5	778	42	327
1991	122	6.8	832	25	208
1992	106	6.6	703	39	274
1993	**99**	**7.1**	**700**	**28**	**196**

TROUT SALES:
Missouri, 1992 AND 1993

Category	Number of Fish 1992	Number of Fish 1993	Total Pounds Sold 1992	Total Pounds Sold 1993	Total Value of Sales 1992	Total Value of Sales 1993	Avg. Weight 1992	Avg. Weight 1993	Avg. Value per Pound 1992	Avg. Value per Pound 1993
	-thousands-				-thousand dollars-		-pounds-		-dollars-	
Total	581	715	578	613	1,054	1,267	0.99	0.86	1.82	2.07

CATFISH SALES:
Missouri, 1992 AND 1993 1/

Category	Number of Fish 1992	Number of Fish 1993	Total Pounds Sold 1992	Total Pounds Sold 1993	Total Value of Sales 1992	Total Value of Sales 1993	Avg. Weight 1992	Avg. Weight 1993	Avg. Value per Pound 1992	Avg. Value per Pound 1993
	-thousands-				-thousand dollars-		-pounds-		-dollars-	
Broodfish for Breeding	D	0	D	0	D	0	D	0	D	0
Broodfish previously, used for Breeding	1	0	2	0	1	0	2.00	0	0.50	0
Stockers	2,010	2,190	289	406	345	429	0.14	0.19	1.19	1.06
Fingerlings/Fry	4,865	3,876	62	40	253	114	0.01	0.01	4.08	2.85
All Foodsize Fish	1,391	1,546	2,406	2,448	1,828	1,963	1.73	1.58	0.76	0.80
Total	8,267	7,612	2,759	2,894	2,427	2,506	0.33	0.38	0.88	0.87

D/ Information withheld to avoid disclosing data for individual operations
1/ Revised data for 1992.

CATFISH INVENTORY:
Missouri, January 1, 1993-94 1/

Category	Number of Fish 1993	Number of Fish 1994	Liveweight of Fish 1993	Liveweight of Fish 1994	Average Liveweight 1993	Average Liveweight 1994
	-thousands-		-thousand pounds-		-pounds-	
Broodfish	25	16	90	82	3.60	5.13
Large Food Size Fish 2/	74	108	246	337	3.32	3.12
Medium Food Size Fish 3/	557	485	969	911	1.74	1.88
Small Food Size Fish 4/	1,055	1,158	1,101	1,119	1.04	0.97
Stockers 5/	4,565	11,209	882	3,266	0.19	0.29
Fingerlings 6/	7,596	9,873	170	280	0.02	0.03
Total	13,872	22,849	3,458	5,995		

1/ Revised data for 1993
2/ (Over 3 lbs./fish)
3/ (Over 1 1/2 to 3 lbs./fish)
4/ (Over 3/4 lbs. to 1 1/2 lbs./fish)
5/ (Over 60 lbs. to 750 lbs./ 1,000 fish)
6/ (Over 2lbs. to 60lbs/1,000 fish)

HONEY:
Production and Value, Missouri, 1989-93 1/

Year	Number of Colonies	Yield Per Colony	Production	Price Per Pound	Value of Production
	-thous.-	-lbs.-	-thous. lbs.-	-cents-	-thous. dol.-
1989	33	62	2,046	56	1,146
1990	30	63	1,890	57	1,077
1991	28	65	1,820	62	1,128
1992	25	77	1,925	64	1,232
1993	24	78	1,872	58	1,086

1/ For producers with five or more colonies.

FARM INCOME & PRICES

Cash Receipts: Missouri farm marketings totaled $4.05 billion in 1993, down 3 percent from 1992. Livestock and livestock product receipts were up 4 percent, totaling $2.27 billion. Crop receipts totaled $1.78 billion, a decrease of 11 percent from 1992.

Livestock Prices: Cattle prices rebounded in 1993. Beef cattle prices started at higher levels than in 1992 and continued relatively steady through May followed by an increase, and peaked in July. Cattle prices turned downward in August and continued to decrease for the remainder of the year. The 1993 beef cattle market year average price was $75.50 per hundredweight, up 4 percent from 1992. The 1993 market year average price for cows fell slightly to $47.50 per hundredweight from $47.70 in 1992. Cow prices started at a market year low of $46.10 per hundredweight before peaking at $51.30 in May. Steer and heifer prices averaged $84.20, an increase of 5 percent from 1992 and 2 percent below the 1991 record average of $85.70. The market year average for calves increased 5 percent to $92.80 per hundredweight from $88.30 in 1992, but was 4 percent below the record of $96.60 in 1991. Calf prices peaked in May at $97.50 per hundredweight before falling to a market year low of $86.60 in November.

The all hog market year (December 1992-November 1993) average price increased 9 percent to $44.70 per hundredweight from $41.00 per hundredweight in 1992. The peak was recorded in June at $47.40 per hundredweight and the low of $40.70 came in January.

The sheep market year average price was $26.00 in 1993, unchanged from 1992. Lamb prices averaged $58.40 during the 1993 marketing year, nearly 2 percent above the 1992 average.

The 1993 marketing year average price for milk was $12.80 per hundredweight, down 2 percent from 1992. Lowest milk prices were in March at $12.00 per hundredweight and reached their peak in November at $13.80. Egg prices averaged 45.8 cents per dozen in 1993, 12 percent above the 1992 average. Prices ranged from a low of 35.9 cents per dozen in September to a high of 54.0 cents per dozen in March. Turkey prices averaged 40.0 cents per pound, 16 percent (2 cents) higher than 1992. Prices ranged from a market year low of 33.0 cents in February to a high of 46.0 cents in October and November.

Crop Prices: Missouri prices for most major crops rose significantly from the previous year's relatively low prices, with the exception of wheat prices which declined. Marketing year average prices received by farmers for corn, soybeans and sorghum were the highest since 1988, while rice reached the highest price level since 1983. Reduced production caused by wet weather conditions and/or flooding, along with strong export demand fueled the price increases.

The preliminary average wheat price of $2.65 per bushel for the 1993 wheat marketing year (June 1993-May 1994), was down sharply from the 1992 average price of $3.17 per bushel. During the 1993 calendar year wheat prices ranged from a high of $3.60 per bushel in March to a low of $2.26 in September. Wet weather delayed the wheat harvest, which resulted in some relatively poor quality wheat.

A preliminary average corn price of $2.60 per bushel is estimated for the 1993 corn marketing year (September 1993-August 1994), up 49 cents from the previous year. The highest monthly average corn price during the calendar year was set in December at $2.77 per bushel, while the lowest monthly average price was in February at $2.08 per bushel.

The 1993 marketing year average price for soybeans (Sept. 1993-Aug. 1994), is $6.45 per bushel, up $1.00 from the 1993 average price. The highest average monthly soybean price for the calendar year was in December at $6.59 per bushel, while the $5.50 per bushel price in January was the lowest monthly average price.

Grain Sorghum prices averaged $4.15 per hundredweight for the 1993 marketing year (Sept. 1993-Aug. 1994), up sharply from the $3.34 marketing year average for 1992. Calendar year average monthly prices in 1993 ranged from a high of $4.48 per hundredweight in December to a low of $3.46 in January and February.

The preliminary average rice price for the 1993 crop averaged $9.00 per hundredweight, up sharply from the $5.91 price in the previous year. Cotton prices averaged 53.2 cents per pound, up slightly from the 52.6 cents for the 1992 crop. Cottonseed prices for the 1993 crop averaged $99.00 per ton, up from the $86.00 price in 1992. The all hay market price averaged $67.00 per ton, up $1.00 per ton from the previous year.

Export Values: The value of Missouri agricultural exports in 1993 totaled $1.18 billion, up 14 percent from 1992. Soybeans and soybean products were the largest component at $451 million, up 10 percent from the previous year. Feed grains and products were the second leading category at $260 million, with an 11 percent increase from a year earlier.

Farm Finance: The debt-to-asset ratio for all farms in Missouri in 1992 was 16.4 compared with 17.1 in 1991. The debt-to-asset ratio is considered a primary measure of whether a farm will have cash flow difficulties. It is computed by dividing the total of all debts by the total of all assets.

PRICES RECEIVED:

Average Prices Received by Farmers For Principal Commodities, Missouri, 1989-93 1/

Commodity	1989	1990	1991	1992	1993
			-dollars-		
Sheep, cwt.	24.30	19.70	18.50	26.00	26.00
Lambs, cwt.	62.90	50.80	48.40	57.40	58.40
Wool, lb.	.75	.42	.25	.39	.28
Calves, cwt.	88.60	93.80	96.60	88.30	92.80
All Beef Cattle, cwt.	72.80	78.90	78.40	72.70	75.50
Steers & Heifers, cwt.	79.50	84.60	85.70	80.00	84.20
Cows, cwt. 2/	50.20	52.10	49.70	47.70	47.50
Milk Cows, hd. 3/	975	1,100	1,040	1,040	1,090
All Hogs, cwt.	42.10	53.80	47.90	41.00	44.70
Borrows & Gilts, cwt.	43.10	54.40	48.28	41.30	45.00
Sows, cwt.	34.30	46.10	40.00	31.30	34.70
Milk, Wholesale, All, cwt.	13.30	13.60	11.90	13.00	12.80
Eggs (all), doz.	.540	.554	.515	.410	.458
Turkeys, lb.	.410	.410	.380	.380	.400
Broilers, lb.	.380	.340	.325	.340	.370
Soybeans, bu.	5.60	5.73	5.59	5.45	6.45
Corn, bu.	2.38	2.38	2.45	2.11	2.60
Wheat (winter), bu.	3.72	2.69	2.37	3.17	2.65
Grain Sorghum, cwt.	3.86	3.89	4.12	3.34	4.15
All Hay, ton	73.50	63.50	65.00	66.00	67.00
Cotton, lb.	.647	.653	.604	.526	.532
Cottonseed, ton	95.00	107.00	60.00	86.00	99.00
Oats, bu.	1.65	1.20	1.30	1.55	1.50
Tobacco, lb.	1.625	1.742	1.765	1.772	1.776
Rice, cwt.	7.54	7.21	7.81	5.91	9.00

1/ Price is marketing year average price. See page 73 for months included in marketing year average for various crops.
2/ Beef cows & Cull dairy cows sold for slaughter.
3/ Milk cows sold for dairy herd replacement only.

PRICES RECEIVED:

Prices Received by Farmers for Specified Commodities, By Months, Missouri,1989-93

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						All Farm Products Index						
						1977=100						
1989	146	145	144	138	140	142	142	140	137	138	141	140
1990	154	151	150	151	154	152	152	150	148	146	145	143
1991	140	141	144	144	144	140	139	135	136	133	130	130
1992	131	133	134	134	135	142	140	140	136	132	134	136
1993	**135**	**136**	**137**	**138**	**138**	**139**	**142**	**141**	**139**	**136**	**136**	**137**
						All Hogs						
						-dollars per cwt-						
1989	40.70	40.40	39.40	36.60	40.70	44.70	45.40	45.40	43.10	45.90	43.80	47.60
1990	47.30	48.10	50.00	55.00	61.00	60.70	60.20	55.40	53.00	56.20	49.90	47.30
1991	49.70	51.20	50.70	49.90	53.40	52.90	54.10	50.40	45.80	42.30	37.30	37.50
1992	36.30	40.00	38.20	40.60	44.70	46.30	43.80	44.00	41.50	40.50	39.70	40.80
1993	**40.70**	**42.00**	**46.10**	**44.60**	**46.80**	**47.40**	**44.90**	**46.80**	**46.40**	**45.50**	**41.50**	**39.90**
						Barrows and Gilts						
						-dollars per cwt-						
1989	41.70	41.00	39.90	37.20	41.70	46.20	47.30	46.90	44.00	46.70	44.70	48.80
1990	47.70	48.50	50.30	55.40	61.70	61.20	61.40	55.90	53.40	56.60	50.10	47.70
1991	50.00	51.50	50.90	50.10	53.90	54.10	54.80	50.80	46.10	42.60	37.50	37.90
1992	36.70	40.20	38.40	40.80	45.00	46.90	44.30	44.30	41.80	40.70	40.00	41.20
1993	**41.00**	**42.20**	**46.40**	**44.80**	**47.10**	**48.00**	**45.40**	**47.20**	**46.70**	**45.80**	**41.70**	**40.20**

PRICES RECEIVED:

Prices Received by Farmers for Specified Commodities, By Months, Missouri, 1989-93 (Cont.)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						Sows						
						-dollars per cwt-						
1989	32.90	34.40	34.00	31.20	32.90	33.70	33.50	35.50	36.30	39.70	37.30	39.60
1990	42.70	43.20	46.50	49.80	52.90	49.90	47.30	47.60	44.90	47.40	42.10	38.60
1991	40.80	43.40	43.80	45.10	44.80	43.90	40.50	37.80	37.40	33.30	28.50	25.80
1992	26.00	28.90	31.30	33.10	35.90	34.20	30.40	32.40	31.40	33.80	30.90	29.20
1993	**31.00**	**33.30**	**37.50**	**38.40**	**37.50**	**35.50**	**33.30**	**34.60**	**36.10**	**36.00**	**34.90**	**30.40**
						Beef Cattle						
						-dollars per cwt-						
1989	74.20	74.00	71.10	68.70	67.70	70.40	72.80	73.50	72.70	74.70	76.40	71.80
1990	75.50	76.00	75.90	78.00	75.30	80.90	80.60	82.20	80.70	79.70	79.30	78.00
1991	79.50	81.00	82.80	83.70	81.10	80.60	79.20	76.70	76.30	76.70	73.80	68.20
1992	69.20	72.80	73.00	70.90	69.40	72.80	75.00	75.70	74.80	72.40	72.60	70.80
1993	**75.90**	**76.50**	**75.70**	**77.00**	**76.20**	**78.10**	**78.50**	**77.70**	**77.40**	**74.30**	**72.00**	**68.60**
						Steers and Heifers						
						-dollars per cwt-						
1989	79.90	80.20	78.50	75.40	75.50	78.50	78.90	80.90	79.70	80.50	82.20	79.90
1990	81.00	80.60	81.70	83.40	83.90	85.60	85.60	86.40	85.10	84.90	86.30	87.00
1991	86.70	88.40	90.40	90.90	88.10	88.40	86.80	83.80	82.90	84.10	80.00	76.60
1992	76.30	79.70	79.80	79.30	77.60	80.10	81.10	81.40	81.20	80.30	79.90	81.10
1993	**84.80**	**84.40**	**84.60**	**86.20**	**86.80**	**86.50**	**85.40**	**85.50**	**85.30**	**83.40**	**80.50**	**78.00**
						Cows						
						-dollars per cwt-						
1989	50.20	51.80	48.50	49.50	48.70	50.70	50.40	51.50	54.10	49.20	48.00	52.00
1990	53.40	52.50	52.90	56.80	54.80	56.10	53.50	54.30	52.00	49.80	47.10	48.60
1991	47.40	49.20	51.90	53.80	53.50	54.50	52.00	51.30	49.70	47.10	45.30	44.80
1992	44.80	47.20	49.00	47.50	49.20	49.00	50.00	49.40	48.60	46.50	45.10	45.90
1993	**46.10**	**46.70**	**47.60**	**47.80**	**51.30**	**49.80**	**50.80**	**49.90**	**48.50**	**45.60**	**43.40**	**44.30**
						Calves						
						-dollars per cwt-						
1989	89.90	90.20	90.00	86.50	87.00	90.40	90.20	94.20	92.40	89.10	86.30	84.30
1990	87.10	90.40	94.70	97.50	99.70	97.20	94.40	96.60	92.10	92.60	93.10	94.30
1991	95.80	102.00	105.00	109.00	104.00	101.00	100.00	97.00	95.20	91.90	85.90	82.30
1992	84.70	89.10	91.80	90.90	87.50	87.20	91.90	92.90	89.30	86.80	85.20	82.90
1993	**91.80**	**92.10**	**93.60**	**95.80**	**97.50**	**96.70**	**95.20**	**94.60**	**92.80**	**88.40**	**86.60**	**87.20**
						Turkeys						
						-cents per pound-						
1989	33.0	37.0	40.0	44.0	47.0	46.0	42.0	44.0	36.0	37.0	43.0	40.0
1990	33.0	35.0	36.0	36.0	39.0	39.0	41.0	43.0	45.0	47.0	45.0	45.0
1991	31.0	33.0	37.0	38.0	39.0	40.0	42.0	42.0	43.0	39.0	37.0	39.0
1992	34.0	33.0	37.0	36.0	38.0	38.0	38.0	39.0	39.0	41.0	41.0	40.0
1993	**35.0**	**33.0**	**37.0**	**37.0**	**38.0**	**38.0**	**40.0**	**42.0**	**43.0**	**46.0**	**46.0**	**40.0**
						Market Eggs						
						-cents per dozen-						
1989	42.8	43.1	69.2	49.0	45.8	49.6	47.5	57.8	54.1	54.1	68.0	69.9
1990	67.1	51.6	66.6	50.1	37.0	46.9	40.5	40.7	51.8	58.3	59.0	60.5
1991	64.5	49.0	63.7	45.9	41.3	39.8	49.5	44.7	43.7	44.5	43.6	57.4
1992	36.0	36.3	37.1	36.5	30.6	36.5	30.4	37.6	42.4	36.5	50.7	45.0
1993	**44.0**	**40.0**	**54.0**	**48.0**	**39.9**	**43.4**	**36.8**	**47.8**	**35.9**	**43.9**	**46.4**	**43.4**

PRICES RECEIVED:

Prices Received by Farmers for Specified Commodities, By Months, Missouri, 1989-93 (Cont.)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						Milk, Wholesale, All						
						-dollars per cwt-						
1989	13.50	13.50	12.60	12.30	12.00	12.10	12.30	12.80	13.50	14.40	15.20	15.80
1990	15.80	14.90	13.80	13.10	13.40	13.50	13.80	14.20	14.10	13.10	12.50	11.30
1991	11.50	11.40	11.10	10.90	10.80	11.10	11.50	12.00	12.60	13.20	13.70	13.60
1992	13.30	12.70	12.50	12.10	12.40	12.90	13.50	13.40	13.60	13.40	13.20	12.80
1993	**12.50**	**12.20**	**12.00**	**12.80**	**12.80**	**13.00**	**12.90**	**12.10**	**12.70**	**13.10**	**13.80**	**13.70**
						Corn						
						-dollars per bushel-						
1989	2.72	2.69	2.71	2.68	2.71	2.61	2.52	2.33	2.26	2.22	2.28	2.34
1990	2.37	2.37	2.44	2.60	2.73	2.82	2.76	2.62	2.34	2.18	2.21	2.32
1991	2.37	2.41	2.48	2.60	2.65	2.54	2.57	2.53	2.38	2.35	2.41	2.43
1992	2.49	2.59	2.63	2.61	2.57	2.62	2.49	2.29	2.20	1.97	2.01	2.03
1993	**2.09**	**2.08**	**2.15**	**2.23**	**2.22**	**2.16**	**2.31**	**2.35**	**2.24**	**2.31**	**2.53**	**2.77**
						Soybeans						
						-dollars per bushel-						
1989	7.75	7.47	7.56	7.24	7.20	7.10	6.84	6.09	5.70	5.37	5.56	5.61
1990	5.55	5.53	5.61	5.74	5.97	5.86	5.94	6.01	6.01	5.81	5.71	5.67
1991	5.71	5.61	5.71	5.77	5.77	5.58	5.42	5.67	5.74	5.45	5.49	5.47
1992	5.58	5.62	5.75	5.68	5.85	5.98	5.65	5.41	5.27	5.12	5.25	5.41
1993	**5.50**	**5.53**	**5.62**	**5.70**	**5.79**	**5.86**	**6.47**	**6.50**	**6.27**	**5.84**	**6.13**	**6.59**
						Winter Wheat						
						-dollars per bushel-						
1989	3.98	4.06	4.07	3.98	3.87	3.75	3.68	3.69	3.73	3.82	3.92	3.93
1990	3.91	3.81	3.69	3.61	3.56	3.13	2.74	2.58	2.38	2.35	2.26	2.45
1991	2.38	2.28	2.48	2.54	2.62	2.28	2.05	2.45	2.49	2.82	2.96	3.09
1992	3.14	3.51	3.32	2.95	3.11	3.36	3.07	2.80	3.03	3.09	3.31	3.44
1993	**3.48**	**3.57**	**3.60**	**3.57**	**3.23**	**2.66**	**2.51**	**2.48**	**2.26**	**2.57**	**2.79**	**3.24**
						All Hay						
						-dollars per ton-						
1989	82.00	85.00	82.00	82.00	83.00	79.00	75.00	72.00	71.00	71.00	73.00	75.00
1990	75.00	70.00	67.00	67.00	62.00	58.00	59.00	58.00	62.00	64.00	67.00	69.00
1991	67.00	68.00	67.00	64.00	63.00	61.00	62.00	62.00	63.00	64.00	64.00	66.00
1992	67.00	68.00	69.00	68.00	66.00	65.00	63.00	64.00	65.00	65.00	66.00	67.00
1993	**67.00**	**66.00**	**68.00**	**69.00**	**68.00**	**68.00**	**65.00**	**65.00**	**66.00**	**67.00**	**66.00**	**67.00**
						Sorghum						
						-dollars per cwt-						
1989	4.46	4.51	4.63	4.34	4.37	4.29	4.01	4.02	3.85	3.57	3.80	3.80
1990	3.77	3.86	3.92	4.08	4.26	4.39	4.26	4.38	4.11	3.73	3.53	3.87
1991	3.97	3.97	4.33	4.21	4.07	4.03	3.95	4.12	4.13	3.97	4.00	4.05
1992	4.34	4.47	4.47	4.32	4.27	4.36	4.22	3.93	3.34	3.18	3.23	3.30
1993	**3.46**	**3.46**	**3.57**	**3.61**	**3.46**	**3.60**	**3.59**	**3.73**	**3.58**	**3.62**	**3.97**	**4.48**

PRICES PAID:

Average Prices Paid by Farmers for Selected Items, Specified Dates, Corn Belt, 1993 1/

Item	January	April	July	October
		-dollars-		
L.P. Gas, Bulk Del., per gallon	.86	.76	.69	.68
Diesel Fuel, Bulk Del., per gallon	.81	.83	.80	.88
Gasoline, Service Sta., unleaded, per gallon	1.04	1.05	1.06	1.08
Gasoline, Bulk Del., unleaded, per gallon	2/	1.14	1.12	1.15
Bran, per cwt.	10.00	10.00	10.00	10.20
Cottonseed Meal, 41%, per cwt.	14.60	15.00	15.60	15.90
Soybean Meal, 44%, per cwt.	12.40	12.30	13.10	13.10
Corn Meal, per cwt.	5.80	6.00	6.00	6.30
Hog Feed, 14-18%, per ton	193.00	189.00	198.00	191.00
Hog Concentrate, 38-42%, per ton	309.00	302.00	324.00	317.00
Beef Cattle Concentrate, 32-36%, per ton	283.00	280.00	290.00	294.00
Dairy Feed, 14%, per ton	168.00	172.00	175.00	180.00
Dairy Feed, 16%, per ton	191.00	178.00	185.00	191.00
Dairy Concentrate, 32%, per ton	306.00	301.00	316.00	316.00
Chick Starter, per ton	244.00	238.00	253.00	256.00
Laying Feed, per ton	203.00	195.00	201.00	207.00
Broiler Grower, per ton	226.00	229.00	226.00	245.00
Turkey Grower, per ton	252.00	257.00	263.00	256.00
Molasses, per cwt.	11.60	11.30	12.30	12.30
Stock salt, 50 lb.	3.50	3.60	3.60	3.60

1/ IL, IN, IA, MO, and OH.
2/ Not Surveyed.

FEEDER PIG PRICES PAID: Quarterly, Missouri, 1989-93

Year	February	May	August	November
		-dollars per cwt-		
1989	70.00	68.00	62.00	78.00
1990	93.00	112.00	93.00	99.00
1991	102.00	106.00	80.00	69.00
1992	71.00	64.00	64.00	61.00
1993	**90.00**	**93.00**	**71.00**	**73.00**

PRICES RECEIVED FOR MILK COWS MISSOURI, 1989-93 1/

Year	January	April	July	October
		-dollars/head-		
1989	960	980	970	990
1990	1,070	1,080	1,120	1,130
1991	1,060	1,050	1,020	1,010
1992	970	1,040	1,050	1,090
1993	**1,060**	**1,060**	**1,130**	**1,100**

1/ Milk cows sold for dairy herd replacement only.

MARKETING OF MAJOR CROPS:

Estimated Percent of Farm Sales, Monthly, Missouri, 1988-89 thru 1992-93

Marketing Year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
						-Corn-						
1988-89	23	14	6	6	10	7	8	5	6	5	4	6
1989-90	18	21	9	6	13	6	6	7	4	3	3	4
1990-91	18	16	9	5	12	6	5	6	3	3	6	11
1991-92	19	17	5	8	14	6	6	3	4	4	6	8
1992-93	10	14	12	13	15	7	8	5	4	4	4	4
						-Soybeans-						
1988-89	5	25	12	8	15	5	7	4	5	6	3	5
1989-90	4	24	11	7	13	8	10	7	6	3	3	4
1990-91	4	24	14	6	12	8	6	7	4	4	5	6
1991-92	5	24	8	9	17	7	8	3	7	5	3	4
1992-93	7	31	8	8	14	5	6	5	4	5	4	3
						-Sorghum-						
1988-89	33	23	9	6	10	5	5	1	2	2	2	2
1989-90	19	22	13	4	9	5	7	8	5	3	2	3
1990-91	22	29	16	4	7	4	4	4	3	1	3	3
1991-92	18	30	13	8	14	4	4	1	2	1	2	3
1992-93	8	32	13	13	7	5	5	3	3	5	4	2

Marketing Year	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
						-Wheat-						
1988-89	51	16	9	4	2	3	4	6	1	2	1	1
1989-90	27	45	11	5	2	2	1	3	1	1	1	1
1990-91	14	53	6	4	2	2	2	5	4	4	2	2
1991-92	53	23	6	3	3	1	3	3	2	2	1	--
1992-93	16	49	8	7	2	3	4	6	2	2	1	--

Marketing Year	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
						-All Hay-						
1988-89	4	14	13	8	7	6	7	8	10	12	8	3
1989-90	4	18	16	5	5	3	7	7	9	13	10	3
1990-91	4	16	14	5	5	3	9	8	11	13	9	3
1991-92	2	14	10	5	7	3	7	10	15	12	12	3
1992-93	4	16	15	6	6	4	7	7	10	13	9	3

MISSOURI AGRICULTURAL EXPORTS:

RANKING BY COMMODITY GROUP FISCAL YEAR 1993 1/

Commodity Group	United States	Missouri	Ranking
		-million dollars-	
Total Agricultural Exports	**42,589.8**	**1,183.4**	**12th**
Soybeans and products	6,114.6	451.4	5th
Rice	766.4	26.9	6th
Dairy products	761.6	26.3	7th
Wheat and products	5,014.6	139.7	11th
Feed grains and products	6,487.9	260.4	9th
Cottonseed and products	96.8	3.4	10th
Cotton and linters	1,537.7	51.3	10th
Seeds (excluding cottonseed)	647.6	30.6	6th
Tobacco (unmfd.)	1,442.8	1.9	15th
Live animals and meat (excluding poultry)	3,745.5	37.7	17th
Poultry and products	1,313.1	38.7	13th
Hides and skins	1,287.7	8.5	19th
Animal fats, oils, and greases	518.9	5.1	16th

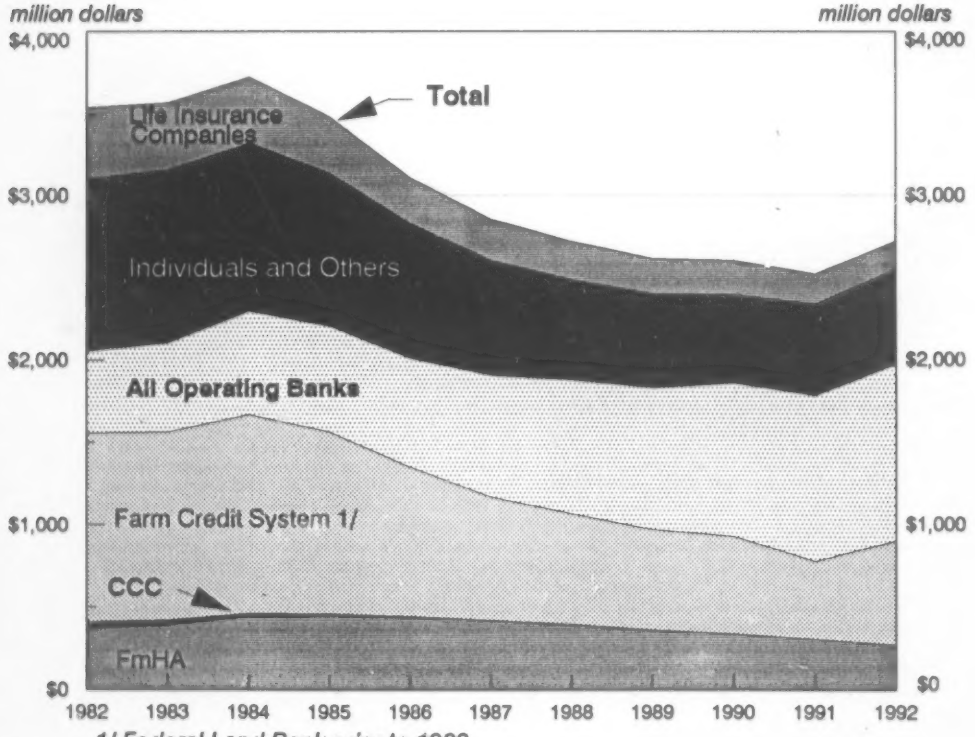
Source: United States Department of Agriculture; Economic Research Service, Commodity Economics Division

EXPORT VALUES OF AGRICULTURAL COMMODITIES:
MISSOURI 1989-93 1/

COMMODITY	1989	1990	1991	1992	1993
			-million dollars-		
Wheat and wheat products	252.2	215.7	105.9	73.1	139.7
Rice	27.9	25.8	21.1	26.0	26.9
Feed grains and grain products	300.1	313.3	217.3	234.9	260.4
Soybeans and soybean products	421.4	337.2	304.8	410.8	451.4
Cotton and linters	40.9	60.0	53.0	53.4	51.3
Cottonseed and cottonseed products	2.2	2.1	1.6	2.7	3.4
Tobacco	3.4	4.2	4.6	5.1	1.9
Dairy products	12.7	9.7	7.4	15.6	26.3
Poultry and products	13.5	17.5	22.0	33.7	38.7
Live animals and meat, excluding poultry	43.9	41.6	41.1	47.8	37.7
Animal fats, oils and greases	5.9	6.1	5.3	6.2	5.1
Hides and skins	18.5	17.3	13.0	10.5	8.5
Seeds, excluding cottonseed	12.0	25.2	25.1	26.1	30.6
Feeds and fodders	26.8	25.3	23.8	25.4	28.4
Other (Miscellaneous)	41.0	41.0	52.5	62.9	73.1
Total Agricultural Exports	**1,223.5**	**1,142.0**	**898.5**	**1034.2**	**1,183.4**

1/ Fiscal year, October 1 - September 30
Source: United States Department of Agriculture; Economics Research Service, Commodity Economics Division.

FARM REAL ESTATE DEBT:



1/ Federal Land Bank prior to 1988.

FARM REAL ESTATE DEBT:

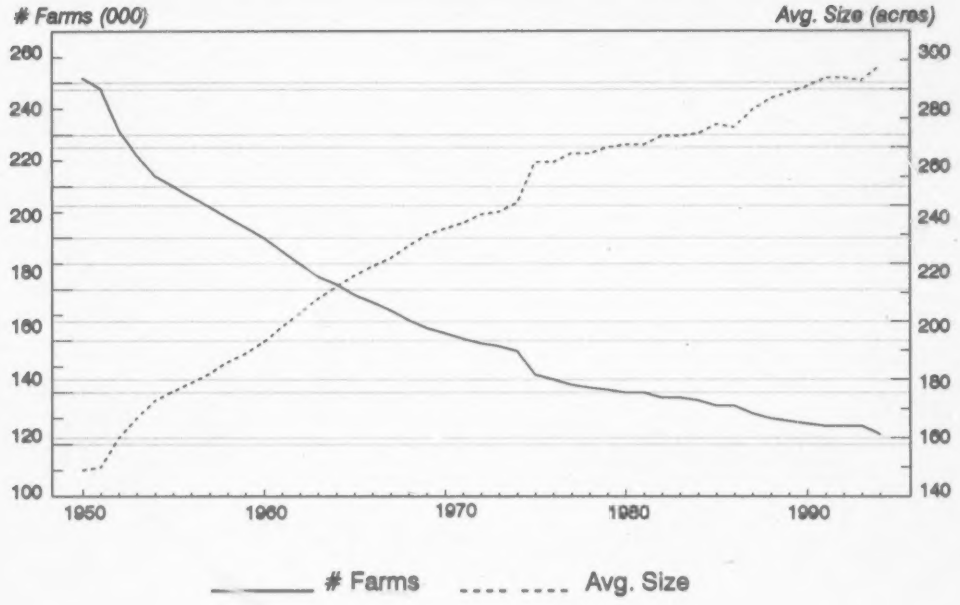
Amount Outstanding by Lender, Missouri, December 31, 1988-92 1/

Lender	1988	1989	1990	1991	1992
			-million dollars-		
Farm Credit System	672	612	588	595	632
Farmers Home Administration	392	356	334	304	271
Life Insurance Companies	231	211	203	180	170
All Operating Banks	813	862	931	1,006	1,072
Individuals and others	606	572	540	557	573
CCC storage and drying loans	1	0	0	0	0
Total Farm Real Estate Debt 2/	**2,714**	**2,614**	**2,596**	**2,643**	**2,720**

1/ Revised data for 1988-1991.
2/ May not add due to rounding.
Source: United States Department of Agriculture, Economic Research Service.

MISSOURI FARM NUMBERS & AVERAGE SIZE FARM

1950 - 1994



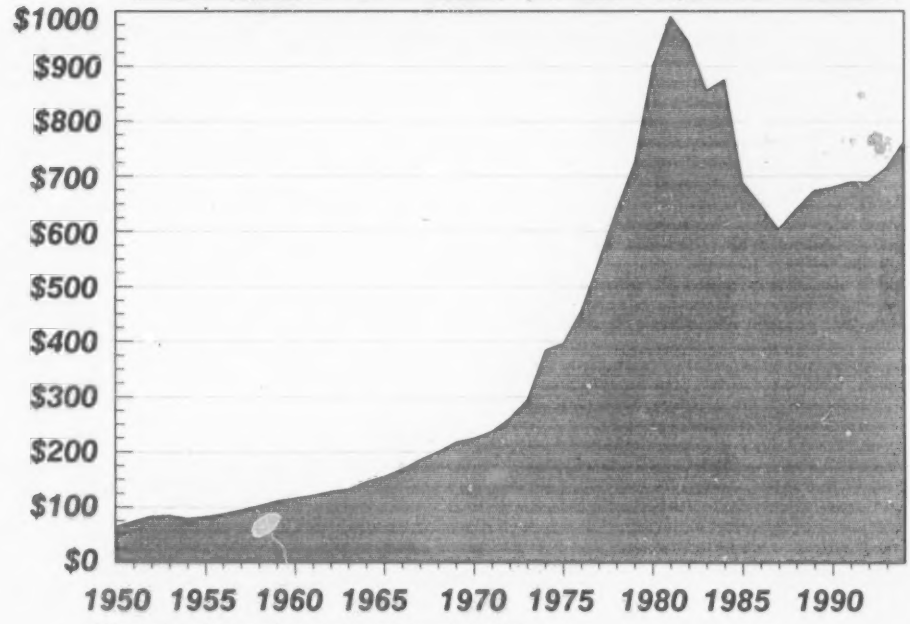
FARMS: Number of Farms, Land in Farms and Average Size of Farm, Missouri and United States, June 1, 1990-94 1/

Year	MISSOURI			UNITED STATES		
	Number of Farms	Land in Farms	Avg. Size of Farms	Number of Farms	Land in Farms	Avg. Size of Farms
	-thous.-	thous. acres-	-acres-	-thous.-	-thous. acres-	-acres-
1990	108	30,400	281	2,140	987,420	461
1991	107	30,400	284	2,105	982,766	467
1992	107	30,300	283	2,094	979,963	468
1993	106	30,200	285	2,065	977,733	473
1994	**104**	**30,000**	**288**	**2,040**	**974,800**	**478**

1/ A farm is any establishment from which $1,000 or more of agricultural products were sold or would be sold during the year.

MISSOURI LAND VALUES

Average Land Value per Acre 1/



1/ Includes all type of agricultural land and buildings.

FARMLAND VALUES: Missouri, 1987-94

	As of April 1	As of February 1			As of January 1			
	1987	1988	1989	1990	1991	1992	1993	1994
				-dollars-				
Average Value per Acre of Land and Buildings	604	640	673	679	689	689	715	762
				-million dollars-				
Total Value of Land and Buildings	18,479	19,520	20,459	20,642	20,946	20,889	21,662	23,012

Source: United States Department of Agriculture, Economic Research Service.

FARMLAND VALUES BY DISTRICT: Missouri, 1990-1994

YEAR	NW	NC	NE	WC	C	EC	SW	SC	SE	STATE
					-dollars per acre-					
1990	685	565	620	735	615	935	745	520	915	679
1991	690	595	650	720	630	930	740	535	925	689
1992	705	610	675	710	635	920	685	525	950	689
1993	725	625	725	755	[illegible]	955	690	565	985	715
1994	790	670	790	810	68[illegible]	965	710	600	1040	762

AVERAGE GROSS CASH RENTS: Missouri, 1990-94

	RENT PER ACRE					RATIO OF RENT TO VALUE				
	1990	1991	1992	1993	1994	1990	1991	1992	1993	1994
	-dollars-					-percent-				
Average Gross Cash Rent per Acre (total farm)	50.30	46.80	43.10	50.10	47.40	9.0	8.4	7.3	8.1	7.3
Average Gross Cash Rent per Acre (cropland only)	61.90	62.20	58.20	64.10	64.80	9.9	9.3	8.0	8.9	8.6
Average Gross Cash Rent per Acre (pasture only)	24.10	24.10	23.70	22.60	24.70	6.8	6.2	5.4	4.7	5.1

Source: United States Department of Agriculture, Economic Research Service.

PASTURE CASH RENT PER ACRE,

By Districts, Missouri, 1990-1994

YEAR	NW	NC	NE	WC	C	EC	SW	SC	SE	STATE
	-dollars per acre-									
1990	25.00	22.30	25.40	22.40	25.30	23.20	24.50	23.40	28.00	24.10
1991	25.80	24.80	26.70	22.50	23.90	25.40	23.40	22.70	27.30	24.10
1992	26.00	23.60	27.80	24.50	24.40	23.50	21.90	21.00	26.00	23.70
1993	25.20	22.60	25.50	22.00	22.40	23.50	22.30	20.50	24.00	22.60
1994	27.70	23.60	25.90	23.70	25.20	26.30	23.90	23.20	25.30	24.70

CROPLAND CASH RENT PER ACRE,

By Districts, Missouri, 1990-1994

YEAR	NW	NC	NE	WC	C	EC	SW	SC	SE	STATE
	-dollars per acre-									
1990	63.00	61.00	69.00	55.20	59.50	67.20	53.00	52.00	73.50	61.90
1991	66.00	63.50	70.50	51.00	57.50	67.40	48.50	55.50	75.00	62.20
1992	61.00	58.20	65.60	49.00	56.00	61.00	43.50	52.00	71.50	58.20
1993	64.50	64.00	71.50	59.50	62.00	68.50	48.00	58.70	76.00	64.10
1994	65.20	65.40	72.00	55.50	58.50	68.00	46.50	59.50	77.70	64.80

MISSOURI FARM BUSINESS BALANCE SHEET * :
December 31, 1988-92

Item	1988	1989	1990	1991	1992
			-million dollars-		
Farm Assets:	**25,163.7**	**26,321.7**	**26,865.4**	**26,725.4**	**27,755.8**
Real estate	17,379.1	18,020.7	18,444.0	18,382.0	18,975.3
Livestock and poultry 1/	2,622.7	2,843.7	2,973.5	2,785.3	2,962.9
Machinery and motor vehicles	2,825.5	2,970.4	2,993.1	3,028.4	3,042.1
Crops 2/	888.4	967.4	848.0	805.5	862.8
Purchased inputs	71.6	62.7	79.5	78.3	103.2
Financial	1,376.6	1,456.8	1,527.3	1,645.9	1,809.4
Farm Debt:	**4,515.7**	**4,413.5**	**4,411.5**	**4,558.4**	**4,565.4**
Real estate	2,713.9	2,613.6	2,596.4	2,642.6	2,719.6
Non-real estate	1,801.7	1,799.9	1,815.1	1,915.8	1,845.8
Equity:	**20,648.0**	**21,908.1**	**22,453.9**	**22,167.0**	**23,190.5**
Debt/equity:	**21.9**	**20.1**	**19.6**	**20.6**	**19.7**
Debt/assets:	**17.9**	**16.8**	**16.4**	**17.1**	**16.4**

1/ Excludes horses, mules, and broilers.
2/ All crops held on farms including value above loan rate for crops held under CCC.
* The Missouri farm balance sheet, including operator households has been discontinued.
SOURCE: U.S. Department of Agriculture Economic Research Service.

FARM PRODUCTION EXPENSES:
Total Farm Production Expenses, Missouri, 1988-92

Item	1988	1989	1990	1991	1992
			-million dollars-		
Intermediate product expenses	2,145.4	2,280.7	2,350.9	2,484.5	2,567.4
Farm origin	795.9	837.1	869.7	928.1	985.2
Feed purchased	603.1	624.3	642.5	668.4	725.7
Livestock an poultry purchased	67.6	79.1	91.7	108.6	114.2
Seed purchased	125.2	133.7	135.4	151.1	145.2
Manufactured inputs	625.6	692.2	714.0	758.0	772.0
Fertilizer and lime	294.4	334.2	318.0	342.4	351.1
Pesticides	121.5	149.5	162.9	195.4	200.1
Fuel and oil	157.7	152.9	181.1	170.4	168.8
Electricity	52.1	55.6	52.0	49.8	52.1
Other	723.8	751.3	767.2	798.5	810.2
Repair and maintenance	328.8	354.9	369.4	383.6	369.1
Other miscellaneous	395.1	396.4	397.8	414.8	441.1
Interest	467.7	454.0	440.4	404.0	381.1
Real estate	271.3	261.9	252.0	227.0	212.8
Nonreal estate	196.4	192.1	188.4	177.1	168.2
Contract and hired labor expenses	160.3	170.1	194.5	184.8	196.6
Net rent to nonoperator landlords	304.8	307.3	265.8	274.1	326.7
Capital consumption	638.1	660.4	660.5	665.1	675.6
Property taxes	95.6	99.4	107.4	105.2	105.2
Total production expenses	**3,811.9**	**3,976.9**	**4,019.4**	**4,117.9**	**4,252.6**

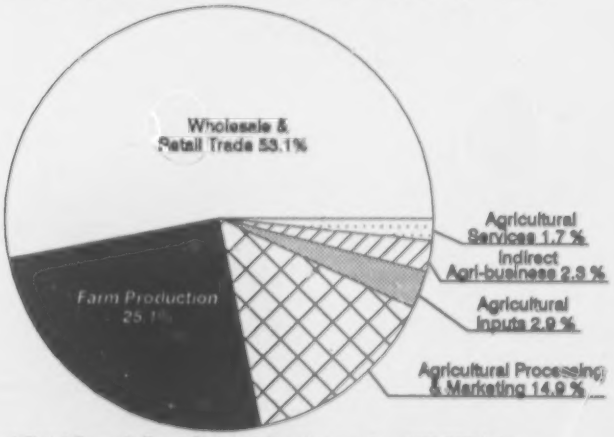
SOURCE: U.S. Department of Agriculture, Economic Research Service.

FARM INCOME:
Total Gross, and Net Income from Farming, Missouri, 1988-92

Item	1988	1989	1990	1991	1992
			-million dollars-		
Cash Receipts from Marketings	3,795.6	3,921.1	3,984.5	3,910.9	4,123.3
Government Payments	456.9	356.4	299.1	268.6	293.6
Farm Related Income	155.8	167.5	167.5	165.7	157.9
Non-cash Income	249.8	251.7	255.1	250.5	257.9
Realized Gross Farm Income	**4,658.1**	**4,696.7**	**4,706.2**	**4,595.7**	**4,832.7**
Farm Production Expenses	3,811.9	3,976.9	4,019.4	4,117.9	4,252.6
Realized Net Farm Income	**846.2**	**719.8**	**686.8**	**477.8**	**580.1**
Net Changes in Farm Inventories	-146.6	177.0	31.7	104.4	294.7
Total Net Farm Income	**699.6**	**896.8**	**718.5**	**582.2**	**874.8**

Totals may not add due to rounding.
SOURCE: United States Department of Agriculture, Economics Research Service.

MISSOURI EMPLOYMENT BY THE AGRICULTURAL INDUSTRY, 1990


Wholesale & Retail Trade 53.1%
Farm Production 25.1%
Agricultural Services 1.7 %
Indirect Agri-business 2.3 %
Agricultural Inputs 2.9 %
Agricultural Processing & Marketing 14.9 %

Missouri Total Farm & Farm-Related Employment = 519,557 jobs

SHARE OF TOTAL STATE EMPLOYMENT BY FARM AND FARM-RELATED INDUSTRY, MISSOURI & UNITED STATES, 1990

Year & Month	Total farm & farm-related industries		Farm production	Agricultural Services	Agricultural Inputs	Agricultural processing & marketing	Wholesale & retail trade	Indirect Agri-business
	-percent of total employment-		-percent of total agricultural employment					
Missouri	17.5	(519,557)	25.1	1.7	2.9	14.9	53.1	2.3
U.S.	15.7	(21,285,425)	14.7	1.9	1.9	15.3	63.7	2.5

Numbers in parentheses are total farm and farm-related jobs. Source: Economic Research Service.

FARM LABOR AND WAGE RATES; MISSOURI AND IOWA 1/ 1989-93

Year & Month	NUMBER OF WORKERS: Hired Workers	NUMBER OF WORKERS: Total Farm Workers	Hours Worked Per Worker	HIRED WORKERS Farm Wage Rates per Type of Work: Field	Livestock	Combined Field & Livestock	All Hired Workers Hourly Rate 2/
	-thousand-			-dollars per hour-			
1989							
January	27	187	30.7	5.62	5.30	5.43	5.68
April	38	214	35.4	4.50	5.38	4.86	5.02
July	61	269	27.0	5.20	4.85	5.12	5.19
October	51	252	35.9	4.91	4.82	4.89	5.13
1990							
January	21	187	32.5	5.14	5.24	5.21	5.61
April	37	215	31.1	5.22	4.77	5.01	5.10
July	47	256	35.5	4.49	4.81	4.61	4.86
October	41	262	41.8	4.78	5.20	4.95	5.15
1991							
January	23	195	36.3	4.78	5.71	5.43	5.55
April	25	210	36.5	4.99	5.20	5.09	5.63
July	44	259	32.7	4.92	5.16	5.00	5.47
October	34	239	45.0	5.27	4.91	5.18	5.41
1992							
January	22	194	37.9	5.78	5.98	5.94	6.24
April	28	202	35.6	5.37	5.58	5.49	5.74
July	44	253	35.0	5.60	5.47	5.52	5.72
October	37	260	42.0	5.56	6.04	5.74	6.12
1993							
January	20	190	34.1	6.15	5.96	6.03	6.40
April	26	199	33.4	5.81	5.82	5.81	6.10
July	31	239	34.4	5.61	5.88	5.76	6.15
October	31	234	39.8	5.61	5.54	5.58	6.02

1/ Missouri and Iowa combined. No individual state estimates are available.
2/ Includes supervisory and other types of workers along with the field and livestock workers.

1992 CASH RECEIPTS, CROPS

By Counties

TOP TEN COUNTIES

NEW MADRID	$109,999,000
STODDARD	$92,023,000
MISSISSIPPI	$74,924,000
DUNKLIN	$72,969,000
PEMISCOT	$68,790,000
SALINE	$56,645,000
ATCHISON	$53,423,000
BUTLER	$48,409,000
LAFAYETTE	$47,416,000
SCOTT	$44,730,000

These top ten counties represent 36% of the State's total cash receipts for crops.

$35,000,000 and Above

$20,000,000 - $34,999,999

$10,000,000 - $19,999,999

Under $10,000,000

1992 CASH RECEIPTS, LIVESTOCK

By Counties

TOP TEN COUNTIES

MCDONALD	$104,448,000
NEWTON	$96,800,000
BARRY	$78,267,000
LAWRENCE	$67,020,000
MILLER	$55,226,000
OSAGE	$50,865,000
WRIGHT	$45,464,000
MORGAN	$45,101,000
POLK	$44,567,000
HOWELL	$43,023,000

These top ten counties represent 25% of the State's total cash receipts for livestock.

$35,000,000 and Above

$20,000,000 - $34,999,999

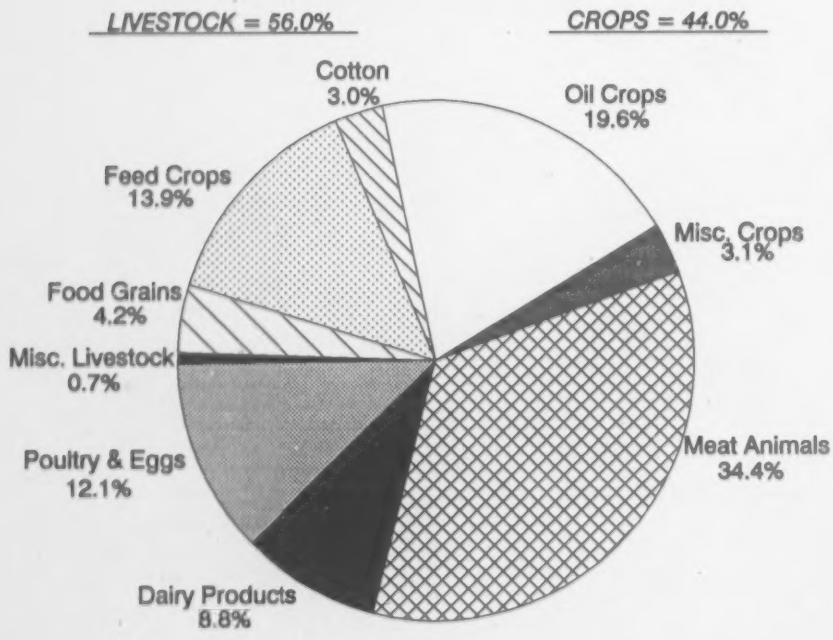
$10,000,000 - $19,999,999

Under $10,000,000

SOURCE: United States Department of Commerce, Bureau of Economic Analysis.

1993 CASH RECEIPTS

Commodity Breakdown



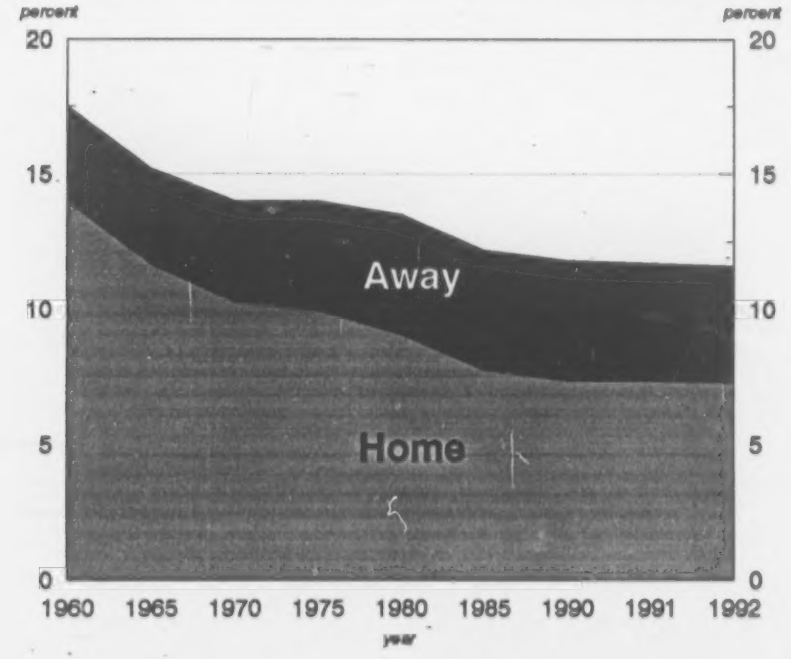
CASH RECEIPTS:

Farm Receipts from Sales of Specified Crops and Livestock, Missouri, 1989-93 1/

Commodity	1989	1990	1991	1992	1993
			-thousand dollars-		
Livestock & Products	**2,169,030**	**2,329,123**	**2,268,403**	**2,186,351**	**2,269,610**
Meat Animals	1,406,861	1,532,068	1,477,574	1,337,895	1,395,069
Dairy Products	388,360	405,960	333,795	378,430	355,584
Poultry & Eggs	357,189	373,394	431,566	440,324	489,375
Miscellaneous Livestock	16,620	17,701	25,468	29,702	29,582
Crops	**1,752,058**	**1,655,397**	**1,641,889**	**1,992,262**	**1,783,796**
Food Grains	347,144	215,052	164,328	221,734	168,644
Feed Crops	466,196	490,434	510,200	611,172	562,848
Cotton	95,346	114,276	118,454	157,282	122,349
Tobacco	6,356	11,482	13,299	7,226	6,337
Oil Crops	724,397	711,729	716,223	868,549	796,426
Vegetables	14,343	18,380	20,435	18,689	20,708
Fruit/Nuts	13,098	9,806	13,846	12,646	15,770
All other crops	85,178	84,238	85,104	94,964	90,714
Total	**3,921,088**	**3,984,520**	**3,910,292**	**4,178,613**	**4,053,406**

1/ Revised data for 1989-1992; preliminary data for 1993.
Source: United States Department of Agriculture, Economic Research Service.

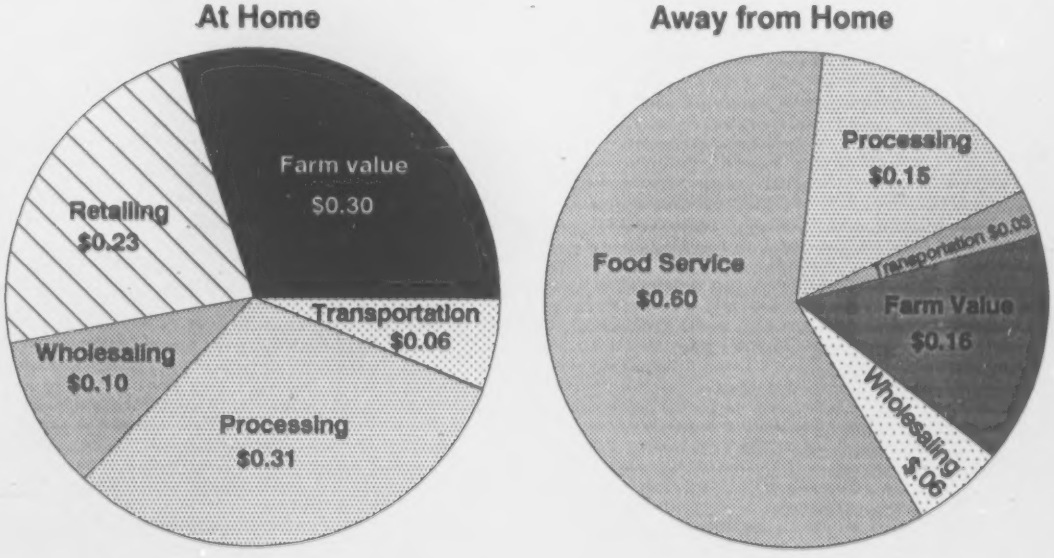
SHARE OF DISPOSABLE INCOME SPENT FOR FOOD



Market Functions of the Food Dollar

Processing costs are largest marketing function for food eaten at home.

Food service is largest share of the away-from-home food dollar.



SOURCE: USDA-ERS

MARKETING YEAR AVERAGE PRICES

Marketing year average prices received by Missouri farmers are based on monthly prices weighted by monthly marketings during specific periods. These periods, by crop are shown below. Marketing year average prices do not include allowances or adjustments for commodities under government loan at the end of the marketing year, commodities forfeited to the Commodity Credit Corporation, crop deficiency payments, or disaster payments.

CROP	MARKETING YEAR
Oats	July thru following June
Wheat	June thru following May
Cotton, Rice	August thru following July
Corn, Grain, Sorghum, Soybeans	September thru following August
Hay	May thru following April

REPORTS ISSUED BY THE MISSOURI AGRICULTURAL STATISTICS SERVICE

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Field Crops*												
Corn	A,P		A				A	A,P	A,P	A,P	A,P	
Soybeans	A,P		A				A	A,P	A,P	A,P	A,P	
Winter Wheat	A,P		A		A,P	A,P	A,P	A,P		A,P		
Sorghum	A,P		A				A	A,P	A,P	A,P	A,P	
Cotton	A,P		A		A,P		A	A,P	A,P	A,P	A,P	A,P
Rice	A,P		A				A	A,P	A,P	A,P	A,P	
Hay	A,P		A				A	A,P		A,P		
Oats	A,P		A				A,P	A,P		A,P		
Potatoes	A,P						A,P		A,P			
Tobacco	A,P		A		A,P			A,P				
Stocks												
Grain	X		X			X			X			
Hay	X				X							
Fruits												
Apples	X							X				
Peaches	X					X	X					
Grapes	X							X				
Livestock, Dairy, and Poultry												
Milk Production	X	X	X	X	X	X	X	X	X	X	X	X
Manufactured Dairy Products	X	X	X	X	X	X	X	X	X	X	X	X
Cattle Inventory & Calf Crop		X		1/			X					
Hog Inventory & Pig Crop			X	1/		X			X			X
Sheep Inventory & Lamb Crop		X		1/								
Livestock Slaughter	X	X	X	X	X	X	X	X	X	X	X	X
Cold Storage	X	X	X	X	X	X	X	X	X	X	X	X
Egg Production	X	X	X	X	X	X	X	X	X	X	X	X
Farm Prices and Income												
Prices Received	X	X	X	X	X	X	X	X	X	X	X	X
Prices Paid	X			X			X			X		
Miscellaneous												
Farm Numbers & Land in Farms							X					
Farm Employment & Wage Rates		X			X			X			X	
Farm Production Expenditures							X					
Floriculture				X								
Honey		X										
Mink							X					
Trout/Catfish		X					X					
CROP and WEATHER REPORT **	X	X	X	X	X	X	X	X	X	X	X	X

* A = Acreage; P = Production

** Issued weekly April thru November; monthly December thru March.

1/ Meat Animals - Production, Disposition, and Income

WHY SHOULD I REPORT?

That question is probably asked by a farmer every time a survey form from the Missouri Agricultural Statistics Service shows up in his mailbox. It's a good question; after all, participation in surveys is purely voluntary. But the reason so many growers do take part is that they know their involvement is the basis for developing Missouri and national crop and livestock estimates.

Unbiased indications of acreage, yield, production, cattle on feed, hog breeding plans, dairy and poultry output, and other items go a long way toward helping producers make useful plans.

Crop and livestock estimates are working tools for farmers. They may decide to cut hog production or switch from corn to soybeans, or hold wheat off the market temporarily, or feed more or fewer cattle. These choices can be made freely, based on how agricultural estimates pictures the total situation.

Crop and livestock information also aids farm organizations and legislators in planning programs.

Some farmers are concerned about how the estimates may influence farm prices. Yes, prices may rise or fall slightly after a report. But the true supply entering the market has the long-run impact on the price. Simply omitting official crop and livestock estimates is not going to change the facts.

One reason the program has worked...and worked well for over a century...is that so many recognize the value of the estimates. Some of our respondents have been participating in the surveys for over half of that century.

We guarantee that all answers provided by farmers on their questionnaires remain confidential and are used only to form State and National summaries. The personal information goes no further than the office of the Missouri Agricultural Statistics Service.

Another point of pride with us is that the estimates are based solely on survey responses and our field visits and professional appraisal of the situation. There are no outside influences or considerations in developing the information we make public. Also, nobody gets a jump on the estimate--not buyers, not sellers, not USDA officials.

We're the first to admit that our estimates probably don't always go the way you'd like, but we do know and so do you that estimates that accurately reflect the true situation are the only kind that do anybody any good.

Accuracy in our estimates is tied tightly to the degree of response in surveys because each farmer contacted actually represents a large group of similar producers. Consequently, the better the response from farmers, the better details we have for reliable estimates.

Our estimates provide a reliable, unbiased picture of Missouri's agriculture. The facts on present and prospective supplies furnish a sound foundation for judgement and action by farmers, other businessmen, crop and livestock interests, government agencies, and all associated with agriculture.

STATE STATISTICAL OFFICES

TO REQUEST DATA FROM THE OTHER STATISTICAL OFFICES WRITE:
(STATE) AGRICULTURAL STATISTICS SERVICE.

ALABAMA
P.O. Box 240578
Montgomery 36124-0578
205-279-3555

ALASKA
P.O. Box 799
Palmer 99645
907-745-4272

ARIZONA
3003 North Central Ave. Suite 950
Phoenix 85012
602-280-8850

ARKANSAS
P.O. Box 3197
Little Rock 72203
501-324-5145

CALIFORNIA
P.O. Box 1258
Sacramento 95812
916-551-1533

COLORADO
P.O. Box 150969
Lakewood 80215-0969
303-236-2300

DELAWARE
2320 S. Dupont Hwy.
Dover 19901
302-739-4811

FLORIDA
1222 Woodward St.
Orlando 32803
407-648-6013

GEORGIA
Stephens Fed. Bldg.
Suite 320
Athens 30613
706-546-2236

HAWAII
P.O. Box 22159
Honolulu 96823-2159
808-973-2907

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P.O. Box 1699
Boise 83701
208-334-1507

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Springfield 62794-9283
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West Lafayette 47907
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702-784-5584

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P.O. Box 1444
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CN-330 New Warren St.
Rm. 205
Trenton 08625
609-292-6385

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P.O. Box 1809
Las Cruces 88004
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Oklahoma City 73105
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Harrisburg 17110
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Madison 53715
608-264-5317

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P.O. Box 1148
Cheyenne 82003
307-772-2181

1/ For Maine, Vermont, Massachusetts, Connecticut, and Rhode Island also.